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GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 ; Search time 57.94 seconds  
(without alignments)  
7.107 Million cell updates/sec

Title: US-09-266-543-4

Perfect score: 120

Sequence: 1 CECRPRKDRTPKPKCDKPRR 20

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	120	100.0	146	4	US-08-586-039B-33
2	104	86.7	121	6	5194596-19
3	104	86.7	121	6	5219739-20
4	104	86.7	147	3	US-08-807-992B-1
5	101	84.2	120	6	5194596-9
6	101	84.2	120	6	5219739-9
7	85	70.8	189	1	US-08-469-427A-15
8	85	70.8	190	2	US-08-569-063C-20
9	85	70.8	190	4	US-08-586-039B-31
10	83	69.2	214	4	US-08-586-039B-35
11	82	68.3	145	3	US-08-784-551C-2
12	80	58.3	149	1	US-08-469-427A-14
13	80	58.3	149	2	US-08-039-297B-2
14	70	58.3	149	2	US-08-569-063C-21
15	70	58.3	149	2	US-08-795-430-55
16	70	58.3	149	4	US-08-586-039B-47
17	69	57.5	165	6	5194596-18
18	69	57.5	165	6	5219739-19
19	69	57.5	191	3	US-08-567-200A-2
20	69	57.5	191	3	US-08-807-992B-2
21	69	57.5	191	4	US-08-691-794-2
22	69	57.5	191	4	US-08-795-430-56
23	69	57.5	191	4	5332671-4
24	67	55.8	14	3	US-08-807-992B-9
25	67	55.8	18	1	US-08-327-709-2
26	67	55.8	18	2	US-08-464-956-2
27	67	55.8	18	3	US-08-807-992B-6

28	67	55.8	18	3	US-08-807-992B-15	Sequence 15, Appl
29	67	55.8	18	3	US-08-807-992B-26	Sequence 26, Appl
30	67	55.8	214	6	5240848-11	Patent No. 5240848
31	67	55.8	215	3	US-08-807-992B-3	Sequence 3, Appl
32	67	55.8	215	4	US-08-586-039B-49	Sequence 49, Appl
33	67	55.8	215	6	5219739-22	Patent No. 5219739
34	67	55.8	215	6	5240848-7	Patent No. 5240848
35	67	55.8	231	5	PCR-US96-09001-10	Sequence 10, Appl
36	67	55.8	232	2	US-08-999-811-7	Sequence 7, Appl
37	67	55.8	232	2	US-08-824-996-9	Sequence 9, Appl
38	67	55.8	232	3	US-08-807-992B-4	Sequence 4, Appl
39	67	55.8	232	3	US-09-042-105-7	Sequence 7, Appl
40	66	55.0	164	6	5194596-17	Patent No. 5194596
41	66	55.0	164	6	5219739-17	Patent No. 5219739
42	66	55.0	164	6	5219739-18	Patent No. 5219739
43	66	55.0	190	6	5332671-3	Patent No. 5332671
44	62	51.7	14	3	US-08-807-992B-12	Sequence 12, Appl
45	60	50.0	18	3	US-08-807-992B-19	Sequence 19, Appl

## ALIGNMENTS

RESULT 1  
US-08-586-039B-33  
Sequence 33, Application US/08586039B  
Patent No. 6140073  
GENERAL INFORMATION:  
APPLICANT: Thomas J. Kenneth A.  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: 126 E. Lincoln Avenue  
CITY: Rahway  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/586,039B  
FILING DATE: 16-JAN-1996  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/124,259  
FILING DATE: 20-SEP-1993  
APPLICATION NUMBER: 07/676,436  
FILING DATE: 28-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hand, J. Mark  
REGISTRATION NUMBER: 36,545  
REFERENCE/DOCKET NUMBER: 18361DA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-3905  
TELEFAX: (908) 594-4720  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-586-039B-33  
Query Match 100.0%; Score 120; DB 4; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.8e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CECRPPKDRTPKCDKPRR 20

Db 127 CECRPPKDRTPKCDKPRR 146

RESULT 2

5194596-19

Patent No. 5194596

APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL

GROWTH FACTOR

NUMBER OF SEQUENCES: 32

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/450,883

FILING DATE: 14-DEC-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 387,545

FILING DATE: 27-JUL-1989

SEQ ID NO:19

LENGTH: 121

5194596-19

Query Match 86.7%; Score 104; DB 6; Length 121;

Best Local Similarity 85.0%; Pred. No. 2.1e-07;

Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRPPKDRTPKCDKPRR 20

Db 102 CECRPPKDRAROEKCDKPRR 121

RESULT 3

5219739-20

Patent No. 5219739

APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND

HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121

NUMBER OF SEQUENCES: 40

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/559,041

FILING DATE: 27-JUL-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 450,883

FILING DATE: 14-DEC-1989

APPLICATION NUMBER: 387,545

FILING DATE: 27-JUL-1989

SEQ ID NO:20

LENGTH: 121

5219739-20

Query Match 86.7%; Score 104; DB 6; Length 121;

Best Local Similarity 85.0%; Pred. No. 2.1e-07;

Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRPPKDRTPKCDKPRR 20

Db 102 CECRPPKDRAROEKCDKPRR 121

RESULT 4

US-08-807-992B-1

Sequence 1, Application US/08807992B

Patent No. 6022541

GENERAL INFORMATION:

APPLICANT: Senger, Donald R

APPLICANT: Dvorak, Harold F

TITLE OF INVENTION: Immunological preparation for concurrent

TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular

TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated b10

NUMBER OF SEQUENCES: 31

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387

CITY: Magnolia

STATE: Massachusetts

COUNTRY: USA

ZIP: 01930

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage

COMPUTER: IBM PS/1

OPERATING SYSTEM: MS DOS

SOFTWARE: Wordperfect version 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/807,992B

FILING DATE: March 3, 1997

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: David Prashker, Esq.

REGISTRATION NUMBER: 29,693

REFERENCE/DOCKET NUMBER: BIS-033

TELECOMMUNICATION INFORMATION:

TELEPHONE: (978) 525-3794

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 147 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-807-992B-1

Query Match 86.7%; Score 104; DB 3; Length 147;

Best Local Similarity 85.0%; Pred. No. 2.5e-07;

Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRPPKDRTPKCDKPRR 20

Db 128 CECRPPKDRAROEKCDKPRR 147

RESULT 5

5194596-9

Patent No. 5194596

APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN C.; MITCHELL, RICHARD L.

TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL

GROWTH FACTOR

NUMBER OF SEQUENCES: 32

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/450,883

FILING DATE: 14-DEC-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 387,545

FILING DATE: 27-JUL-1989

SEQ ID NO:9

LENGTH: 120

5194596-9

Query Match 84.2%; Score 101; DB 6; Length 120;

Best Local Similarity 80.0%; Pred. No. 5.2e-07;

Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRPPKDRTPKCDKPRR 20

Db 101 CECRPPKDRAROEKCDKPRR 120

```
RESULT 6
5219739-9
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
; BVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND BVGEF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450, 883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387, 545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 9
; LENGTH: 120
5219739-9

Query Match      84.2%; Score 101; DB 6; Length 120;
Best Local Similarity 80.0%; Pred. No. 5.2e-07;
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CECRPKDKRTKPEKCDKPRR 20
    |||||:|||||
DB 101 CECRPKDKRQEKCDKPRR 120

RESULT 7
US-08-469-427A-15
; Sequence 15, Application US/08469427A
; Patent No. 5607918
; GENERAL INFORMATION:
; APPLICANT: Eriksson, Ulf
; APPLICANT: Olofsson, Birgitta
; APPLICANT: Alltalo, Kari
; APPLICANT: Pajusola, Kari
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, Mckewen, Edwards & Lenahan
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,427A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 41979CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 189 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-427A-15

Query Match      70.8%; Score 85; DB 1; Length 189;
Best Local Similarity 29.7%; Pred. No. 0.00011;
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPKDKRTKPE-----KCD 16
    |||||:|||||
DB 126 CECRPKDKRTKPEKPCSEKRLHFLVDPQCKSCKNTDSRKARQLELNERCRCD 185

QY 17 KPRR 20
    ||||
DB 186 KPRR 189

RESULT 8
US-08-569-063C-20
; Sequence 20, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, ULF
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALLTALO, Kari
; APPLICANT: PAJUSOLA, Kari
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, Mckewen, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,063C
; FILING DATE: 06-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,427
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 1064/41979CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-569-063C-20

Query Match      70.8%; Score 85; DB 2; Length 190;
Best Local Similarity 29.7%; Pred. No. 0.00011;
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPKDKRTKPE-----KCD 16
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Db 127 CECRPRKDRTPENHCERCSERKHLFVQDPQTKCSCCKNTDSRCARQLELNERTCGCD 186  
QY 17 KPRR 20  
Db 187 KPRR 190

## RESULT 9

US-08-586-039B-31  
; Sequence 31, Application US/08586039B  
; Patent No. 6140073  
; GENERAL INFORMATION:  
; APPLICANT: Bayne, Marvin L.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; TITLE OF INVENTION: SUBUNIT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/586,039B  
; FILING DATE: 16-JAN-1996  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/124,259  
; FILING DATE: 20-SEP-1993  
; APPLICATION NUMBER: 07/676,436  
; FILING DATE: 28-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hand, J. Mark  
; REGISTRATION NUMBER: 36,545  
; REFERENCE/DOCKET NUMBER: 18361DA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 190 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-586-039B-31

Query Match 70.8%; Score 85; DB 4; Length 190;  
Best Local Similarity 29.7%; Pred. No. 0.00011;  
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPRKDRTPKPE-----KCD 16  
Db 127 CECRPRKDRTPENHCERCSERKHLFVQDPQTKCSCCKNTDSRCARQLELNERTCGCD 186  
QY 17 KPRR 20  
Db 187 KPRR 190

RESULT 10  
US-08-586-039B-35  
; Sequence 35, Application US/08586039B  
; Patent No. 6140073

; GENERAL INFORMATION:  
; APPLICANT: Bayne, Marvin L.  
; APPLICANT: Thomas Jr., Kenneth A.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; TITLE OF INVENTION: SUBUNIT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/586,039B  
; FILING DATE: 16-JAN-1996  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/124,259  
; FILING DATE: 20-SEP-1993  
; APPLICATION NUMBER: 07/676,436  
; FILING DATE: 28-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hand, J. Mark  
; REGISTRATION NUMBER: 36,545  
; REFERENCE/DOCKET NUMBER: 18361DA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 214 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-586-039B-35

Query Match 69.2%; Score 83; DB 4; Length 214;  
Best Local Similarity 100.0%; Pred. No. 0.00023;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CECRPRKDRTPKPEK 14  
Db 127 CECRPRKDRTPKPEK 140

RESULT 11  
US-08-784-551C-2  
; Sequence 2, Application US/08784551C  
; Patent No. 6013780  
; GENERAL INFORMATION:  
; APPLICANT: Gera Neufeld  
; APPLICANT: Eli Keshet  
; APPLICANT: Israel Vlodavsky  
; APPLICANT: Zoya Poltorak  
; TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF  
; TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Blank, Rome, Comisky & McCauley LLP  
; STREET: 900 17th Street, N.W.  
; CITY: Washington, D.C.  
; STATE: N/A  
; COUNTRY: U.S.A.  
; ZIP: 20006



Oy 1 CECRPRKDRTPKCDK--PRR 20  
||||| : : : ||| : |||  
Db 128 CECRPLREKMKPERCGDAVPRR 149

## RESULT 14

US-08-569-063C-21  
Sequence 21, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Kari  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKewen, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-569-063C-21

Query Match 58.3%; Score 70; DB 2; Length 149;  
Best Local Similarity 54.5%; Pred. NO. 0.0091;  
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Oy 1 CECRPRKDRTPKCDK--PRR 20  
||||| : : : ||| : |||  
Db 128 CECRPLREKMKPERCGDAVPRR 149

RESULT 15  
US-08-795-430-55  
Sequence 55, Application US/08795430  
Patent No. 6130071  
GENERAL INFORMATION:  
APPLICANT: ALITALO, Kari  
APPLICANT: Joukov, Vladimir  
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)

TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 South Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: United States of America  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,430  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/FR96/00427  
FILING DATE: 01-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/671,573  
FILING DATE: 28-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585,895  
FILING DATE: 12-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/510,133  
FILING DATE: 01-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/340,011  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/DOCKET NUMBER: 28967/33691  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 55:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-795-430-55

Query Match 58.3%; Score 70; DB 4; Length 149;  
Best Local Similarity 54.5%; Pred. NO. 0.0091;  
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Oy 1 CECRPRKDRTPKCDK--PRR 20  
||||| : : : ||| : |||  
Db 128 CECRPLREKMKPERCGDAVPRR 149

Search completed: September 13, 2001, 11:57:10  
Job time: 208 sec







GenCore version 4.5  
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## OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 : Search time 57.94 Seconds  
(without alignments)  
7.463 Million cell updates/sec

Title: US-09-266-543-5

Perfect score: 114

Sequence: 1 APTTEGEOKSHEVIRKFMVYC 21

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/Backfill1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	105	92.1	190	2	US-08-569-063C-20
2	101	88.6	25	3	US-08-807-992B-31
3	101	88.6	146	4	US-08-586-039B-33
4	101	88.6	190	4	US-08-586-039B-31
5	101	88.6	214	4	US-08-586-039B-35
6	89.5	78.5	189	1	US-08-469-427A-15
7	81	71.1	21	6	5194596-11
8	81	71.1	21	6	5219739-11
9	81	71.1	39	6	5332671-14
10	81	71.1	41	6	5194596-21
11	81	71.1	11	6	5219739-26
12	81	71.1	120	6	5194596-9
13	81	71.1	120	6	5219739-9
14	81	71.1	164	6	5194596-17
15	81	71.1	164	6	5219739-17
16	81	71.1	164	6	5219739-18
17	81	71.1	190	6	5332671-3
18	80	70.2	25	1	US-08-327-709-1
19	80	70.2	25	1	US-08-457-229-1
20	80	70.2	25	2	US-08-457-487-1
21	80	70.2	25	2	US-08-464-956-1
22	80	70.2	25	2	US-08-479-733A-30
23	80	70.2	25	3	US-08-350-212-1
24	80	70.2	25	3	US-08-807-992B-17
25	80	70.2	25	3	US-08-807-992B-20
26	80	70.2	25	3	US-08-479-727A-30
27	80	70.2	25	3	US-08-482-369A-30

28	80	70.2	36	6	5240848-1	Patent No. 5240848
29	72	53.2	231	1	PCT-US96-09001-10	Sequence 1, Appl
30	68	59.6	14	4	US-08-586-039B-1	Sequence 3, Appl
31	65.5	57.5	26	1	US-08-327-709-3	Sequence 4, Appl
32	65.5	57.5	26	1	US-08-327-709-4	Sequence 2, Appl
33	65.5	57.5	26	1	US-08-457-229-2	Sequence 3, Appl
34	65.5	57.5	26	2	US-08-457-487-2	Sequence 2, Appl
35	65.5	57.5	26	2	US-08-464-956-3	Sequence 3, Appl
36	65.5	57.5	26	2	US-08-464-956-4	Sequence 31, Appl
37	65.5	57.5	26	2	US-08-479-733A-31	Sequence 2, Appl
38	65.5	57.5	26	2	US-08-350-212-2	Sequence 5, Appl
39	65.5	57.5	26	3	US-08-807-992B-5	Sequence 8, Appl
40	65.5	57.5	26	3	US-08-807-992B-8	Sequence 11, Appl
41	65.5	57.5	26	3	US-08-807-992B-11	Sequence 14, Appl
42	65.5	57.5	26	3	US-08-807-992B-14	Sequence 18, Appl
43	65.5	57.5	26	3	US-08-807-992B-18	Sequence 21, Appl
44	65.5	57.5	26	3	US-08-807-992B-21	Sequence 31, Appl
45	65.5	57.5	26	3	US-08-479-727A-31	

## ALIGNMENTS

RESULT 1  
US-08-569-063C-20  
Sequence 20, Application US/08569063C  
Patent No. 5928939  
GENERAL INFORMATION:  
APPLICANT: ERIKSSON, Ulf  
APPLICANT: OLOFSSON, Birgitta  
APPLICANT: ALITALO, Kari  
APPLICANT: PAJUSOLA, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/569,063C  
FILING DATE: 06-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/469,427  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: EVANS, Joseph D  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 1064/41979CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 190 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-569-063C-20

Query Match 92.1%; Score 105; DB 2; Length 180;  
Best Local Similarity 100.0%; Pred. No. 1.6e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVDY 20  
|||||  
DB 27 APTTEGEOKSHVYKFMVDY 46

## RESULT 2

US-08-807-992B-31

Sequence 31, Application US/08807992B  
Patent No. 6022541

## GENERAL INFORMATION:

APPLICANT: Senger, Donald R  
APPLICANT: Dvorak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage

COMPUTER: IBM PS/1

OPERATING SYSTEM: MS DOS

SOFTWARE: WordPerfect version 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/807,992B

FILING DATE: March 3, 1997

## CLASSIFICATION: 424

## ATTORNEY/AGENT INFORMATION:

NAME: David Prashker, Esq.

REGISTRATION NUMBER: 29,693

REFERENCE/DOCKET NUMBER: BIS-033

TELECOMMUNICATION INFORMATION:

TELEPHONE: (978) 525-3794

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 25 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: N-terminal

US-08-807-992B-31

Query Match 88.6%; Score 101; DB 3; Length 25;  
Best Local Similarity 90.0%; Pred. No. 7.4e-11;

Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVDY 20  
|||||  
DB 1 APTTEGEOKSHVYKFMVDY 20

## RESULT 3

US-08-586-039B-33

Sequence 33, Application US/08586039B  
Patent No. 6140073

## GENERAL INFORMATION:

APPLICANT: Bayne, Marvin L.  
APPLICANT: Thomas Jr., Kenneth A.  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
TITLE OF INVENTION: SUBUNIT  
NUMBER OF SEQUENCES: 49

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.  
STREET: 126 E. Lincoln Avenue  
CITY: Rahway

STATE: New Jersey  
COUNTRY: USA

ZIP: 07065-0900

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/586,039B

FILING DATE: 16-JAN-1996

## CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/124,259

FILING DATE: 20-SEP-1993

APPLICATION NUMBER: 07/676,436

FILING DATE: 28-MAR-1991

## ATTORNEY/AGENT INFORMATION:

NAME: Hand, J. Mark

REGISTRATION NUMBER: 36,545

REFERENCE/DOCKET NUMBER: 18361DA

TELECOMMUNICATION INFORMATION:

TELEPHONE: (908) 594-3905

TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 146 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-586-039B-33

Query Match 88.6%; Score 101; DB 4; Length 146;  
Best Local Similarity 90.0%; Pred. No. 5.7e-10;  
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVDY 20  
|||||  
DB 27 APTTEGEOKSHVYKFMVDY 46

## RESULT 4

US-08-586-039B-31

Sequence 31, Application US/08586039B  
Patent No. 6140073

## GENERAL INFORMATION:

APPLICANT: Bayne, Marvin L.

APPLICANT: Thomas Jr., Kenneth A.

TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C

TITLE OF INVENTION: SUBUNIT

NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck &amp; Co., Inc.

STREET: 126 E. Lincoln Avenue

CITY: Rahway

STATE: New Jersey

COUNTRY: USA

ZIP: 07065-0900

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/586,039B

FILING DATE: 16-JAN-1996

CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/124,259  
FILING DATE: 20-SEP-1993  
APPLICATION NUMBER: 07/676,436  
FILING DATE: 28-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hand, J. Mark  
REGISTRATION NUMBER: 36,545  
REFERENCE/DOCKET NUMBER: 18361DA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-3905  
TELEFAX: (908) 594-4720  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 190 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-586-039B-31

Query Match 88.6%; Score 101; DB 4; Length 190;  
Best Local Similarity 90.0%; Pred. No. 7.7e-10;  
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 APTTEGEOKSHEVIKFMVDY 20  
|||||||:||||:|||||  
DB 27 APTTEGEOKAHEVVKFMDY 46

RESULT 5  
US-08-586-039B-35  
Sequence 35, Application US/08586039B  
Patent No. 6140073  
GENERAL INFORMATION:  
APPLICANT: Bayne, Marvin L.  
APPLICANT: Thomas Jr., Kenneth A.  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
TITLE OF INVENTION: SUBUNIT  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: 126 E. Lincoln Avenue  
CITY: Rahway  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/586,039B  
FILING DATE: 16-JAN-1996  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/124,259  
FILING DATE: 20-SEP-1993  
APPLICATION NUMBER: 07/676,436  
FILING DATE: 28-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hand, J. Mark  
REGISTRATION NUMBER: 36,545  
REFERENCE/DOCKET NUMBER: 18361DA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-3905  
TELEFAX: (908) 594-4720  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 214 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-586-039B-35

Query Match 88.6%; Score 101; DB 4; Length 214;  
Best Local Similarity 90.0%; Pred. No. 8.8e-10;  
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 APTTEGEOKSHEVIKFMVDY 20  
|||||||:||||:|||||  
DB 27 APTTEGEOKAHEVVKFMDY 46

RESULT 6  
US-08-469-427A-15  
Sequence 15, Application US/08469427A  
Patent No. 5607918  
GENERAL INFORMATION:  
APPLICANT: Eriksson, Ulf  
APPLICANT: Olafsson, Birgitta  
APPLICANT: Alltalo, Kari  
APPLICANT: Pajusola, Katri  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
TITLE OF INVENTION: DNA CODING THEREFOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan  
STREET: 1200 G Street, N.W., Suite 700  
CITY: Washington  
STATE: DC  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/469,427A  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/397,651  
FILING DATE: 01-MAR-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Evans, Joseph D.  
REGISTRATION NUMBER: 26,269  
REFERENCE/DOCKET NUMBER: 41979CP2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 628-8800  
TELEFAX: (202) 628-8844  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 189 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-469-427A-15

Query Match 78.5%; Score 89.5; DB 1; Length 189;  
Best Local Similarity 95.0%; Pred. No. 7.1e-08;  
Matches 19; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 APTTEGEOKSHEVIKFMVDY 20  
|||||||:||||:|||||  
DB 27 APTTEGEOKSHEVIKFMVDY 45

RESULT 7  
5194396-11

```

; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:11:
; LENGTH: 21
5194596-11

Query Match          71.1%; Score 81; DB 6; Length 21;
Best Local Similarity 75.0%; Pred. No. 1.6e-07;
Matches    15; Conservative   1; Mismatches    4; Indels      0; Gaps      0

QY       1 APTTEGEOKSHEVIKEMDYV 20
         ||||| | | | | | | | | | |
Db        2 APMAEGGOKPHEVKFMDYV 21

RESULT            8
5219739-11
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:11:
; LENGTH: 21
5219739-11

Query Match          71.1%; Score 81; DB 6; Length 21;
Best Local Similarity 75.0%; Pred. No. 1.6e-07;
Matches    15; Conservative   1; Mismatches    4; Indels      0; Gaps      0

QY       1 APTTEGEOKSHEVIKEMDYV 20
         ||||| | | | | | | | | | |
Db        2 APMAEGGOKPHEVKFMDYV 21

RESULT            9
5332671-14
; Patent No. 5332671
; APPLICANT: FERRARA, NAPOLIONE; LEUNG, DAVID W.H.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR AND DNA ENCODING SAME
; NUMBER OF SEQUENCES: 15
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/389,722
; FILING DATE: 04-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 369,424
; FILING DATE: 21-JUN-1989
; APPLICATION NUMBER: 351,117
; FILING DATE: 12-MAY-1989
; SEQ ID NO:14:

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; LENGTH: 39
5332671-18

Query Match      71.1%; Score 81; DB 6; Length 39;
Best Local Similarity 75.0%; Pred. No. 3.3e+07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY   1 APTEGEGKSHVFIKFMDY 20
    |||||
Db   1 APMAGGGKPHEVVKFMDY 20

RESULT 10
5194596-21
Patent No. 5194596
APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO.:21
LENGTH: 41
5194596-21

Query Match      71.1%; Score 81; DB 6; Length 41;
Best Local Similarity 75.0%; Pred. No. 3.5e+07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY   1 APTEGEGKSHVFIKFMDY 20
    |||||
Db   1 APMAGGGKPHEVVKFMDY 20

RESULT 11
5219739-26
Patent No. 5219739
APPLICANT: TISCHER, EDMUND G.;ABRAHAM, JUDITH A.;FIDDES, JOHN C.;MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEFLI20 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEFLI20 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO.:26
LENGTH: 41
5219739-26

Query Match      71.1%; Score 81; DB 6; Length 41;
Best Local Similarity 75.0%; Pred. No. 3.5e+07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY   1 APTEGEGKSHVFIKFMDY 20
    |||||
Db   1 APMAGGGKPHEVVKFMDY 20

RESULT 12
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Query Match 86.9%; Score 206; DB 6; Length 164;  
Best Local Similarity 90.9%; Pred. No. 6.8e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41  
Db 121 ERKHLEFVODPQTCKSCKNTDSRCKAROLELNERTCRCDKPRR 164

RESULT 3  
5219739-18

; Patent No. 5219739  
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
; JOHN C.; MITCHELL, RICHARD L.  
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND  
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN  
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121  
; NUMBER OF SEQUENCES: 40  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/559,041  
; FILING DATE: 27-JUL-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 450,883  
; FILING DATE: 14-DEC-1989  
; APPLICATION NUMBER: 387,545  
; FILING DATE: 27-JUL-1989  
; SEQ ID NO.19:  
; LENGTH: 164  
5219739-18

Query Match 86.9%; Score 206; DB 6; Length 164;  
Best Local Similarity 90.9%; Pred. No. 6.8e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41  
Db 121 ERKHLEFVODPQTCKSCKNTDSRCKAROLELNERTCRCDKPRR 164

RESULT 4  
5194596-18

; Patent No. 5194596  
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
; C.; MITCHELL, RICHARD L.  
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
; GROWTH FACTOR  
; NUMBER OF SEQUENCES: 32  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/450,883  
; FILING DATE: 14-DEC-1989  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 387,545  
; FILING DATE: 27-JUL-1989  
; SEQ ID NO.18:  
; LENGTH: 165  
5194596-18

Query Match 86.9%; Score 206; DB 6; Length 165;  
Best Local Similarity 90.9%; Pred. No. 6.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41  
Db 122 ERKHLEFVODPQTCKSCKNTDSRCKAROLELNERTCRCDKPRR 165

RESULT 5  
5219739-19  
; Patent No. 5219739  
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
; JOHN C.; MITCHELL, RICHARD L.

; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND  
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN  
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121  
; NUMBER OF SEQUENCES: 40  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/559,041  
; FILING DATE: 27-JUL-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 450,883  
; FILING DATE: 14-DEC-1989  
; APPLICATION NUMBER: 387,545  
; FILING DATE: 27-JUL-1989  
; SEQ ID NO.19:  
; LENGTH: 165  
5219739-19

Query Match 86.9%; Score 206; DB 6; Length 165;  
Best Local Similarity 90.9%; Pred. No. 6.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41  
Db 122 ERKHLEFVODPQTCKSCKNTDSRCKAROLELNERTCRCDKPRR 165

RESULT 6  
US-08-469-427A-15

; Sequence 15, Application US/08469427A  
; Patent No. 5607918  
; GENERAL INFORMATION:  
; APPLICANT: Eriksson, Ulf  
; APPLICANT: Olofsson, Birgitta  
; APPLICANT: Allitalo, Kari  
; APPLICANT: Pajusola, Katri  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Evenson, McKeeown, Edwards & Lenahan  
; STREET: 1200 G Street, N.W., Suite 700  
; CITY: Washington  
; STATE: DC  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,427A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/397,651  
; FILING DATE: 01-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Evans, Joseph D  
; REGISTRATION NUMBER: 26,269  
; REFERENCE/DOCKET NUMBER: 41979cp2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-8800  
; TELEFAX: (202) 628-8844  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 189 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-469-427A-15

Query Match 86.9%; Score 206; DB 1; Length 189;  
Best Local Similarity 90.9%; Pred. No. 7.8e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41  
DB 146 ERRKHLFVODPOTCKSCSKNTDSRCKAROLELNERTCRCDKPRR 189

RESULT 7  
US-08-569-063C-20

; Sequence 20, Application US/08569063C  
; Patent No. 5328939

; GENERAL INFORMATION:

; APPLICANT: ERIKSSON, Ulf

; APPLICANT: OLOFSSON, Birgitta

; APPLICANT: ALITALO, Kari

; APPLICANT: RAJUSOLA, Katri

; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Evenson, McKown, Edwards & Lenahan, P.L.L.C.

; STREET: 1200 G Street, N.W., Suite 700

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/569,063C

; FILING DATE: 06-DEC-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/469,427

; FILING DATE: 06-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/397,651

; FILING DATE: 01-MAR-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: EVANS, Joseph D

; REGISTRATION NUMBER: 26,269

; REFERENCE/DOCKET NUMBER: 1064/41979CP3

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 628-8800

; TELEFAX: (202) 628-8844

; INFORMATION FOR SEQ ID NO: 20:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 190 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-569-063C-20

Query Match 86.9%; Score 206; DB 2; Length 190;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41  
DB 147 ERRKHLFVODPOTCKSCSKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 8  
US-08-586-039B-31

; Sequence 31, Application US/08586039B  
; Patent No. 6140073

; GENERAL INFORMATION:

; APPLICANT: Bayne, Marvin L.  
; APPLICANT: Thomas Jr., Kenneth A.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; TITLE OF INVENTION: SUBUNIT  
; NUMBER OF SEQUENCES: 49

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: 126 E. Lincoln Avenue

; CITY: Rahway

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Microsoft Word 6

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/586,039B

; FILING DATE: 16-JAN-1996

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/124,259

; FILING DATE: 20-SEP-1993

; APPLICATION NUMBER: 07/676,436

; FILING DATE: 28-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Hand, J. Mark

; REGISTRATION NUMBER: 36,545

; REFERENCE/DOCKET NUMBER: 18361DA

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 594-3905

; TELEFAX: (908) 594-4720

; INFORMATION FOR SEQ ID NO: 31:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 190 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-586-039B-31

Query Match 86.9%; Score 206; DB 4; Length 190;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41  
DB 147 ERRKHLFVODPOTCKSCSKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 9  
5332671-3

; Patent No. 5332671

; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.

; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL

; GROWTH FACTOR AND DNA ENCODING SAME

; NUMBER OF SEQUENCES: 15

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/389,722

; FILING DATE: 04-AUG-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 369,424

; FILING DATE: 21-JUN-1989

; APPLICATION NUMBER: 351,117

; FILING DATE: 12-MAY-1989

; SEQ ID NO:3:

; LENGTH: 190

5332671-3

Query Match 86.9%; Score 206; DB 6; Length 190;

Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCCKDKPRR 41  
Db 147 ERRKHLFVQDPQTCCKSCKNTDSRCKAROLELNERTCCKDKPRR 190

## RESULT 10

US-08-567-200A-2

Sequence 2, Application US/08567200A  
Patent No. 6020473  
GENERAL INFORMATION:  
APPLICANT: Keyl, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/567,200A  
FILING DATE: 05-DEC-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-62326-1/WHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-567-200A-2

Query Match 86.9%; Score 206; DB 3; Length 191;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCCKDKPRR 41  
Db 148 ERRKHLFVQDPQTCCKSCKNTDSRCKAROLELNERTCCKDKPRR 191

## RESULT 11

US-08-807-992B-2

Sequence 2, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
APPLICANT: Dvorak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood  
VESSEL

NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-2

Query Match 86.9%; Score 206; DB 3; Length 191;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

OY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCCKDKPRR 41  
Db 148 ERRKHLFVQDPQTCCKSCKNTDSRCKAROLELNERTCCKDKPRR 191

## RESULT 12

US-08-691-794-2

Sequence 2, Application US/08691794  
Patent No. 6057428  
GENERAL INFORMATION:  
APPLICANT: Keyl, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Cunningham, Brian C.  
APPLICANT: Wells, James A.  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/691,794  
FILING DATE: 02-AUG-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/002,827  
FILING DATE: 25-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/567,200  
FILING DATE: 05-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-63/58/WHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-691-794-2

Query Match 86.9%; Score 206; DB 3; Length 191;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41  
||||||| ||||||||| ||||||||| ||||||||| |||||||||  
Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERCRCDDKPRR 191

RESULT 13  
US-08-795-430-56  
Sequence 56, Application US/08795430  
Patent No. 6130071  
GENERAL INFORMATION:  
APPLICANT: Altalo, Kari  
APPLICANT: Joukov, Vladimir  
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)  
TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 South Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: United States of America  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,430  
FILING DATE:  
CLASSIFICATION: A35  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/FI96/00427  
FILING DATE: 01-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/671,573  
FILING DATE: 28-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/601,132  
FILING DATE: 14-FEB-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585,895  
FILING DATE: 12-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/510,133  
FILING DATE: 01-AUG-1995  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/340,011  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/DOCKET NUMBER: 28967/33691  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-795-430-56

Query Match 86.9%; Score 206; DB 4; Length 191;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41  
||||||| ||||||||| ||||||||| ||||||||| |||||||||  
Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERCRCDDKPRR 191

RESULT 14  
5332671-4  
Patent No. 5332671  
APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR AND DNA ENCODING SAME  
NUMBER OF SEQUENCES: 15  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/389,722  
FILING DATE: 04-AUG-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 369,424  
FILING DATE: 21-JUN-1989  
APPLICATION NUMBER: 351,117  
FILING DATE: 12-MAY-1989  
SEQ ID NO: 4:  
LENGTH: 191  
5332671-4

Query Match 86.9%; Score 206; DB 6; Length 191;  
Best Local Similarity 90.9%; Pred. No. 7.9e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41  
||||||| ||||||||| ||||||||| ||||||||| |||||||||  
Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERCRCDDKPRR 191

RESULT 15  
US-08-586-039B-35  
Sequence 35, Application US/08586039B  
Patent No. 6140073  
GENERAL INFORMATION:  
APPLICANT: Bayne, Marvin L.  
APPLICANT: Thomas Jr., Kenneth A.  
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
SUBUNIT  
TITLE OF INVENTION: SUBUNIT  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merck & Co., Inc.  
STREET: 126 E. Lincoln Avenue  
CITY: Rahway  
STATE: New Jersey

COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Microsoft Word 6  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/586,0398  
FILING DATE: 16-JAN-1996  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/124,259  
FILING DATE: 20-SEP-1993  
APPLICATION NUMBER: 07/676,436  
FILING DATE: 28-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hand, J. Mark  
REGISTRATION NUMBER: 36,545  
REFERENCE/DOCKET NUMBER: 18361DA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (908) 594-3905  
TELEFAX: (908) 594-4720  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 214 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-586-039B-35

Query Match 86.9%; Score 206; DB 4; Length 214;  
Best Local Similarity 90.9%; Pred. No. 8.8e-17;  
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;  
QY 2 ERRKHLFV--OTCKSCSKNTDSRCRKAROLE-NERTCRCDKPPR 41  
||||| ||||||||| ||||||||| |||||||||  
DB 171 ERRKHLFVDPOTCKSCSKNTDSRCRKAROLELNERTCRCDKPPR 214

Search completed: September 13, 2001, 11:57:10  
Job time: 208 sec

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 ; Search time 57.94 Seconds  
(without alignments)  
9.240 Million cell updates/sec

Title: US-09-266-543-7  
Perfect score: 138  
Sequence: 1 CNDEGLESVPTESNITMQIMRIKPH 26

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

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- 2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/2/1aa/Dackfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	133	96.4	109	3	US-08-691-794-3
2	133	96.4	121	6	5194596-19
3	133	96.4	121	6	5219739-20
4	133	96.4	145	3	US-08-784-551C-2
5	133	96.4	147	3	US-08-807-992B-1
6	133	96.4	165	6	5194596-18
7	133	96.4	165	6	5219739-19
8	133	96.4	191	3	US-08-567-200A-2
9	133	96.4	191	3	US-08-807-992B-2
10	133	96.4	191	3	US-08-691-794-2
11	133	96.4	191	4	US-08-795-430-56
12	133	96.4	191	6	5332671-4
13	133	96.4	214	6	5240848-11
14	133	96.4	215	3	US-08-807-992B-3
15	133	96.4	215	4	US-08-586-039B-49
16	133	96.4	215	5	5240848-7
17	133	96.4	231	5	PCT-US96-09001-10
18	133	96.4	232	2	US-08-999-811-7
19	133	96.4	232	2	US-08-824-996-9
20	133	96.4	232	3	US-08-807-992B-4
21	133	96.4	232	3	US-09-042-105-7
22	122	88.4	189	1	US-08-469-427A-15
23	122	88.4	190	2	US-08-569-063C-20
24	121	87.7	120	6	5194596-9
25	121	87.7	120	6	5219739-9
26	121	87.7	146	4	US-08-586-039B-33
27	121	87.7	164	6	5194596-17

28	121	87.7	164	6	5219739-17	Patent No. 5219739
29	121	87.7	164	6	5219739-18	Patent No. 5219739
30	121	87.7	190	4	US-08-586-039B-31	Sequence 31, Appl
31	121	87.7	190	6	5332671-3	Patent No. 5332671
32	121	87.7	214	4	US-08-586-039B-35	Sequence 35, Appl
33	120	87.0	215	6	5219739-22	Patent No. 5219739
34	83	60.1	19	3	US-08-807-992B-24	Sequence 24, Appl
35	76	55.1	138	4	US-08-586-039B-37	Sequence 37, Appl
36	76	55.1	158	4	US-08-586-039B-39	Sequence 39, Appl
37	75	54.3	149	1	US-08-469-427A-14	Sequence 14, Appl
38	75	54.3	149	2	US-08-039-297B-2	Sequence 2, Appl
39	75	54.3	149	2	US-08-569-063C-21	Sequence 21, Appl
40	75	54.3	149	4	US-08-795-430-55	Sequence 55, Appl
41	75	54.3	149	4	US-08-586-039B-47	Sequence 47, Appl
42	75	54.3	154	4	US-08-586-039B-41	Sequence 41, Appl
43	75	54.3	170	2	US-08-039-297B-8	Sequence 8, Appl
44	75	54.3	170	4	US-08-586-039B-45	Sequence 45, Appl
45	67	48.6	188	1	US-08-469-427A-11	Sequence 11, Appl

#### ALIGNMENTS

RESULT 1  
US-08-691-794-3  
; Sequence 3, Application US/08691794  
; Patent No. 6057428  
; GENERAL INFORMATION:  
; APPLICANT: Keyt, Bruce A.  
; APPLICANT: Nguyen, Francis H.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Cunningham, Brian C.  
; APPLICANT: Wells, James A.  
; APPLICANT: Li, Bing  
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Flehr, Hombach, Test, Albrighton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/691,794  
; FILING DATE: 02-AUG-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/002,827  
; FILING DATE: 25-AUG-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/567,200  
; FILING DATE: 05-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-63758/WMD  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 109 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: unknown





STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: WordPerfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 147 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-1

Query Match 96.4%; Score 133; DB 3; Length 147;  
Best Local Similarity 96.2%; Pred. No. 8.8e-15;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMQIMRIKPH 26  
DB 87 CNDEGLECVPTESNITMQIMRIKPH 112

RESULT 6  
5194596-18  
PATENT NO. 5194596  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR  
NUMBER OF SEQUENCES: 32  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/450,883  
FILING DATE: 14-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 18:  
LENGTH: 165  
5194596-18

Query Match 96.4%; Score 133; DB 6; Length 165;  
Best Local Similarity 96.2%; Pred. No. 1e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMQIMRIKPH 26  
DB 61 CNDEGLECVPTESNITMQIMRIKPH 86

RESULT 7  
5219739-19  
PATENT NO. 5219739  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND BVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND BVEGF121  
NUMBER OF SEQUENCES: 40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/559,041  
FILING DATE: 27-JUL-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 450,883  
FILING DATE: 14-DEC-1989  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 19:  
LENGTH: 165  
5219739-19

Query Match 96.4%; Score 133; DB 6; Length 165;  
Best Local Similarity 96.2%; Pred. No. 1e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMQIMRIKPH 26  
DB 61 CNDEGLECVPTESNITMQIMRIKPH 86

RESULT 8  
US-08-567-200A-2  
Sequence 2, Application US/08567200A  
Patent No. 6020473  
GENERAL INFORMATION:  
APPLICANT: Keyt, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/567,200A  
FILING DATE: 05-DEC-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-62326-1/MHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-567-200A-2

Query Match 96.4%; Score 133; DB 3; Length 191;  
Best Local Similarity 96.2%; Pred. No. 1.2e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;



PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/FI96/00427  
FILING DATE: 01-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/671,573  
FILING DATE: 28-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/601,132  
FILING DATE: 14-FEB-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585,895  
FILING DATE: 12-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/510,133  
FILING DATE: 01-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/340,011  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/DOCKET NUMBER: 28967/33691  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-795-430-56

Query Match 96.4%; Score 133; DB 4; Length 191;  
Best Local Similarity 96.2%; Pred. No. 1.2e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMOIMRIKPH 26  
||||| ||||||| ||||||| |||||||  
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 12  
5332671-4  
PATENT NO. 5332671  
APPLICANT: FERRARA, NADOLEONE;LEUNG, DAVID W.H.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR AND DNA ENCODING SAME  
NUMBER OF SEQUENCES: 15  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/389,722  
FILING DATE: 04-AUG-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 369,424  
FILING DATE: 21-JUN-1989  
APPLICATION NUMBER: 351,117  
FILING DATE: 12-MAY-1989  
SEQ ID NO: 4  
LENGTH: 191  
5332671-4

Query Match 96.4%; Score 133; DB 6; Length 191;  
Best Local Similarity 96.2%; Pred. No. 1.2e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMOIMRIKPH 26  
||||| ||||||| ||||||| |||||||  
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 13  
5240848-11  
PATENT NO. 5240848  
APPLICANT: KECK, PAMELA J.; CONNOLLY, DANIEL T.; FEEDER, JOSEPH  
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR  
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS  
NUMBER OF SEQUENCES: 11  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/337,037  
FILING DATE: 10-JUL-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 274,061  
FILING DATE: 21-NOV-1988  
SEQ ID NO: 11  
LENGTH: 214  
5240848-11

Query Match 96.4%; Score 133; DB 6; Length 214;  
Best Local Similarity 96.2%; Pred. No. 1.4e-14;  
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMOIMRIKPH 26  
||||| ||||||| ||||||| |||||||  
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 14  
US-08-807-992B-3  
SEQUENCE 3, Application US/08807992B  
PATENT NO. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-3

Query Match 96.4%; Score 133; DB 3; Length 215;  
Best Local Similarity 96.2%; Pred. No. 1.4e-14;

Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDEGLSVPTESNITMOIMRIKPH 26  
||||| ||||||| ||||||| |||||||  
Db 87 CNDEGLCVPTESNITMOIMRIKPH 112

## RESULT 15

US-08-586-039B-49  
; Sequence 49, Application US/08586039B  
; Patent No. 6140073  
; GENERAL INFORMATION:  
; APPLICANT: Bayne, Marvin L.  
; APPLICANT: Thomas Jr., Kenneth A.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; TITLE OF INVENTION: SUBUNIT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/586,039B  
; FILING DATE: 16-JAN-1996  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/124,259  
; FILING DATE: 20-SEP-1993  
; APPLICATION NUMBER: 07/676,436  
; FILING DATE: 28-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hand, J. Mark  
; REGISTRATION NUMBER: 36,545  
; REFERENCE/DOCKET NUMBER: 18361DA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 49:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 215 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-586-039B-49

Query Match 96.4%; Score 133; DB 4; Length 215;  
Best Local Similarity 96.2%; Pred. NO. 1.4e-14;

Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDEGLSVPTESNITMOIMRIKPH 26  
||||| ||||||| ||||||| |||||||  
Db 87 CNDEGLCVPTESNITMOIMRIKPH 112

Search completed: September 13, 2001, 11:57:11  
Job time: 209 sec

GenCore version 4.5  
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## OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:11 ; Search time 57.94 Seconds  
(without alignments)  
4.620 Million cell updates/sec

Title: US-09-266-543-8

Perfect score: 71

Sequence: 1 CNDEGLESPVTEE 13

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*

1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/Backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	66	93.0	109	3	US-08-691-794-3
2	66	93.0	121	6	5194596-19
3	66	93.0	121	6	5194596-19
4	66	93.0	145	3	US-08-784-551C-2
5	66	93.0	147	3	US-08-807-992B-1
6	66	93.0	165	6	5194596-18
7	66	93.0	165	6	519739-19
8	66	93.0	191	3	US-08-567-200A-2
9	66	93.0	191	3	US-08-807-992B-2
10	66	93.0	191	3	US-08-691-794-2
11	66	93.0	191	4	US-08-795-430-56
12	66	93.0	191	6	5332671-4
13	66	93.0	214	6	5240848-11
14	66	93.0	215	3	US-08-807-992B-3
15	66	93.0	215	4	US-08-586-039B-49
16	66	93.0	215	6	5219739-22
17	66	93.0	215	6	5240848-7
18	66	93.0	231	5	PCT-US96-09001-10
19	66	93.0	232	2	US-08-999-811-7
20	66	93.0	232	2	US-08-824-996-9
21	66	93.0	232	3	US-08-807-992B-4
22	66	93.0	232	3	US-09-042-105-7
23	61	85.9	12	3	US-08-742-243-45
24	60	84.5	120	6	5194596-9
25	60	84.5	120	6	5219739-9
26	60	84.5	164	6	5194596-17
27	60	84.5	164	6	5219739-17

28	60	84.5	164	6	5219739-18	Patent No. 5219739
29	60	84.5	190	6	5332671-3	Patent No. 5332671
30	55	77.5	146	4	US-08-586-039B-33	Sequence 33, Appl
31	55	77.5	189	1	US-08-469-427A-15	Sequence 15, Appl
32	55	77.5	190	2	US-08-569-063C-20	Sequence 20, Appl
33	55	77.5	190	4	US-08-586-039B-31	Sequence 31, Appl
34	55	77.5	214	4	US-08-586-039B-35	Sequence 35, Appl
35	51	71.8	12	3	US-08-742-243-44	Sequence 44, Appl
36	51	71.8	12	3	US-08-742-243-46	Sequence 46, Appl
37	45	63.4	102	1	US-08-469-427A-2	Sequence 2, Appl
38	45	63.4	102	2	US-08-609-443B-2	Sequence 2, Appl
39	45	63.4	102	2	US-08-569-063C-2	Sequence 2, Appl
40	45	63.4	133	1	US-08-469-427A-9	Sequence 9, Appl
41	45	63.4	133	2	US-08-609-443B-9	Sequence 9, Appl
42	45	63.4	133	2	US-08-569-063C-9	Sequence 9, Appl
43	45	63.4	188	1	US-08-469-427A-5	Sequence 5, Appl
44	45	63.4	188	1	US-08-469-427A-11	Sequence 11, Appl
45	45	63.4	188	2	US-08-609-443B-5	Sequence 5, Appl

## ALIGNMENTS

RESULT 1  
US-08-691-794-3  
; Sequence 3, Application US/08691794  
; Patent No. 6057428  
GENERAL INFORMATION:  
APPLICANT: Keyt, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Cunningham, Brian C.  
APPLICANT: Wells, James A.  
APPLICANT: Li, Bing  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF INVENTION: Production  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/691,794  
FILING DATE: 02-AUG-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/002,827  
FILING DATE: 25-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/567,200  
FILING DATE: 05-DEC-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-63758/WHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 109 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown

TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-691-794-3

Query Match 93.0%; Score 66; DB 3; Length 109;  
Best Local Similarity 92.3%; Pred. No. 0.00013;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
Db 61 CNDGLECPVTEE 73

RESULT 2  
5194596-19  
Patent No. 5194596  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN  
C. MITCHELL, RICHARD L.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR  
NUMBER OF SEQUENCES: 32  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/450,883  
FILING DATE: 14-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 19  
LENGTH: 121  
5194596-19

Query Match 93.0%; Score 66; DB 6; Length 121;  
Best Local Similarity 92.3%; Pred. No. 0.00014;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
Db 61 CNDGLECPVTEE 73

RESULT 3  
5219739-20  
Patent No. 5219739  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES,  
JOHN C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESG120 AND  
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN  
VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESG120 AND HVEGF121  
NUMBER OF SEQUENCES: 40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/559,041  
FILING DATE: 27-JUL-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 450,883  
FILING DATE: 14-DEC-1989  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 20  
LENGTH: 121  
5219739-20

Query Match 93.0%; Score 66; DB 6; Length 121;  
Best Local Similarity 92.3%; Pred. No. 0.00014;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
Db 61 CNDGLECPVTEE 73

RESULT 4  
US-08-784-551C-2  
Sequence 2, Application US/08784551C  
Patent No. 6013780  
GENERAL INFORMATION:  
APPLICANT: Gera Neufeld  
APPLICANT: Eli Keshet  
APPLICANT: Israel Vlodavsky

APPLICANT: Zoya Poltorak  
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF  
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP  
STREET: 900 17th Street, N.W.  
STREET: Suite 1000  
CITY: Washington, D.C.  
STATE: N/A  
COUNTRY: U.S.A.  
ZIP: 20006

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FASTED for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/784,551C  
FILING DATE: January 21, 1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Cohen, Herbert  
REGISTRATION NUMBER: 25,109  
REFERENCE/DOCKET NUMBER: 0274.005/P003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 463-7700  
TELEFAX: (202) 463-6915  
TELEX:

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-784-551C-2

Query Match 93.0%; Score 66; DB 3; Length 145;  
Best Local Similarity 92.3%; Pred. No. 0.00018;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
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Db 61 CNDGLECPVTEE 73

RESULT 5  
US-08-807-992B-1  
Sequence 1, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Sengul, Donald R  
APPLICANT: Dvorak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
specific binding to spatially exposed regions of vascular  
permeability factor bound in-vivo to a tumor associated blo  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: WordPerfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: B15-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 147 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-1

Query Match 93.0%; Score 66; DB 3; Length 147;  
Best Local Similarity 92.3%; Pred. No. 0.00018;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
|||||  
DB 87 CNDGLESVPTEE 99

RESULT 6  
5194596-18  
PATENT NO. 5194596  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR  
NUMBER OF SEQUENCES: 32  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/450,883  
FILING DATE: 14-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 18:  
LENGTH: 165  
5194596-18

Query Match 93.0%; Score 66; DB 6; Length 165;  
Best Local Similarity 92.3%; Pred. No. 0.00021;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
|||||  
DB 61 CNDGLESVPTEE 73

RESULT 7  
5219739-19  
PATENT NO. 5219739  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
JOHN C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND  
BVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND BVGEF121  
NUMBER OF SEQUENCES: 40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/559,041  
FILING DATE: 27-JUL-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 450,883  
FILING DATE: 14-DEC-1989  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 19:  
LENGTH: 165  
5219739-19

Query Match 93.0%; Score 66; DB 6; Length 165;  
Best Local Similarity 92.3%; Pred. No. 0.00021;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
|||||  
DB 61 CNDGLESVPTEE 73

RESULT 8  
US-08-567-200A-2  
Sequence 2, Application US/08567200A  
Patent No. 6020473  
GENERAL INFORMATION:  
APPLICANT: Keyt, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Flehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/567,200A  
FILING DATE: 05-DEC-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-62326-1/MHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-567-200A-2

Query Match 93.0%; Score 66; DB 3; Length 191;  
Best Local Similarity 92.3%; Pred. No. 0.00024;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
|||||  
Db 87 CNDGLESVPTEE 99

RESULT 9  
US-08-807-992B-2  
; Sequence 2, Application US/08807992B  
; Patent No. 6022541

GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
APPLICANT: Dvorak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood  
TITLE OF INVENTION: vessel  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: WordPerfect version 5.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-807-992B-2

Query Match 93.0%; Score 66; DB 3; Length 191;  
Best Local Similarity 92.3%; Pred. No. 0.00024;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
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Db 87 CNDGLESVPTEE 99

RESULT 10  
US-08-691-794-2  
; Sequence 2, Application US/08691794  
; Patent No. 6057428

GENERAL INFORMATION:  
APPLICANT: Keyt, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Cunningham, Brian C.  
APPLICANT: Wells, James A.  
APPLICANT: Li, Bing  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
TITLE OF INVENTION: Production  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/691,794  
FILING DATE: 02-AUG-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/002,827  
FILING DATE: 25-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/567,200  
FILING DATE: 05-DEC-1995

ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-63758/WHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-691-794-2

Query Match 93.0%; Score 66; DB 3; Length 191;  
Best Local Similarity 92.3%; Pred. No. 0.00024;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13  
|||||  
Db 87 CNDGLESVPTEE 99

RESULT 11  
US-08-795-430-56  
; Sequence 56, Application US/08795430  
; Patent No. 6130071

GENERAL INFORMATION:  
APPLICANT: Alltaio, Kari  
APPLICANT: Joukov, Vladimir  
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)  
TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 South Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: United States of America  
ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,430  
FILING DATE:  
CLASSIFICATION: 435



PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/F196/00427  
FILING DATE: 01-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/671,573  
FILING DATE: 28-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/601,132  
FILING DATE: 14-FEB-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585,895  
FILING DATE: 12-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/510,133  
FILING DATE: 01-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/340,011  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/DOCKET NUMBER: 28967/33691  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-795-430-56

Query Match 93.0%; Score 66; DB 4; Length 191;  
Best Local Similarity 92.3%; Pred. No. 0.00024;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
DB 87 CNDGLESVPTEE 99

RESULT 12  
5332671-4  
PATENT No. 5332671  
APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR AND DNA ENCODING SAME  
NUMBER OF SEQUENCES: 15  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/389,722  
FILING DATE: 04-AUG-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 369,424  
FILING DATE: 21-JUN-1989  
APPLICATION NUMBER: 351,117  
FILING DATE: 12-MAY-1989  
SEQ ID NO: 4  
LENGTH: 191  
5332671-4

Query Match 93.0%; Score 66; DB 6; Length 191;  
Best Local Similarity 92.3%; Pred. No. 0.00024;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
DB 87 CNDGLESVPTEE 99

RESULT 13  
5240848-11  
PATENT No. 5240848  
APPLICANT: KECK, PAMELA J.; CONNOLLY, DANIEL T.; FEDER, JOSEPH  
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR  
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS  
NUMBER OF SEQUENCES: 11  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/337,037  
FILING DATE: 10-JUL-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 274,061  
FILING DATE: 21-NOV-1988  
SEQ ID NO: 11  
LENGTH: 214  
5240848-11

Query Match 93.0%; Score 66; DB 6; Length 214;  
Best Local Similarity 92.3%; Pred. No. 0.00027;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13  
|||||  
DB 87 CNDGLESVPTEE 99

RESULT 14  
US-08-807-992B-3  
Sequence 3, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
APPLICANT: Dworak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
specific binding to spatially exposed regions of vascular  
permeability factor bound in-vivo to a tumor associated blo  
TITLE OF INVENTION: vessel  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-3

Query Match 93.0%; Score 66; DB 3; Length 215;  
Best Local Similarity 92.3%; Pred. No. 0.00028;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTTE 13  
||||| |||||  
Db 87 CNDGLESVPTTE 99

RESULT 15  
US-08-586-039B-49  
; Sequence 49, Application US/08586039B  
; Patent No. 6140073  
; GENERAL INFORMATION:  
; APPLICANT: Bayne, Marvin L.  
; APPLICANT: Thomas Jr., Kenneth A.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; TITLE OF INVENTION: SUBUNIT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/586,039B  
; FILING DATE: 16-JAN-1996  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/124,259  
; FILING DATE: 20-SEP-1993  
; APPLICATION NUMBER: 07/676,436  
; FILING DATE: 28-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hand, J. Mark  
; REGISTRATION NUMBER: 36,545  
; REFERENCE/DOCKET NUMBER: 18361DA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 49:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 215 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-586-039B-49

Query Match 93.0%; Score 66; DB 4; Length 215;  
Best Local Similarity 92.3%; Pred. No. 0.00028;  
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTTE 13  
||||| |||||  
Db 87 CNDGLESVPTTE 99

Search completed: September 13, 2001, 11:57:11  
Job time: 209 sec

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:11 ; Search time 57.94 Seconds

(without alignments)  
5.686 Million cell updates/sec

Title: US-09-266-543-9

Perfect score: 86

Sequence: 1 CEESNITMOTIRKPH 16

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
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2: /cgn2.6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2.6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2.6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2.6/ptodata/2/1aa/PCTUS.COMB.pep.\*  
6: /cgn2.6/ptodata/2/1aa/Backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	88.5	109	US-08-691-794-3	Sequence 3, Appl
2	77	88.5	121	5194596-19	Patent No. 5194596
3	77	89.5	121	5219739-20	Patent No. 5219739
4	77	89.5	145	US-08-784-551C-2	Sequence 2, Appl
5	77	89.5	147	US-08-807-992B-1	Sequence 1, Appl
6	77	89.5	165	5194596-18	Patent No. 5194596
7	77	88.5	165	5219739-19	Patent No. 5219739
8	77	89.5	191	US-08-567-200A-2	Sequence 2, Appl
9	77	89.5	191	US-08-807-992B-2	Sequence 2, Appl
10	77	89.5	191	US-08-691-794-2	Sequence 7, Appl
11	77	89.5	191	US-08-795-430-56	Sequence 56, Appl
12	77	89.5	191	5332671-4	Patent No. 5332671
13	77	89.5	214	5240848-11	Patent No. 5240848
14	77	88.5	215	US-08-807-992B-3	Sequence 3, Appl
15	77	89.5	215	US-08-586-039B-49	Sequence 49, Appl
16	77	89.5	231	5240848-7	Patent No. 5240848
17	77	89.5	231	PCT-US96-09001-10	Sequence 10, Appl
18	77	89.5	232	US-08-999-811-7	Sequence 7, Appl
19	77	89.5	232	US-08-824-996-9	Sequence 9, Appl
20	77	88.5	232	US-08-807-992B-4	Sequence 4, Appl
21	77	89.5	232	US-09-042-105-7	Sequence 15, Appl
22	77	83.7	189	US-08-469-427A-15	Sequence 15, Appl
23	72	83.7	190	US-08-569-063C-20	Sequence 20, Appl
24	71	82.6	120	5194596-9	Patent No. 5194596
25	71	82.6	120	5219739-9	Patent No. 5219739
26	71	82.6	146	US-08-586-039B-33	Sequence 33, Appl
27	71	82.6	164	5194596-17	Patent No. 5194596

28	71	82.6	164	6	5219739-17	Patent No. 5219739
29	71	82.6	164	6	5219739-18	Patent No. 5219739
30	71	82.6	190	4	US-08-586-039B-31	Sequence 31, Appl
31	71	82.6	190	6	5332671-3	Patent No. 5332671
32	71	82.6	214	4	US-08-586-039B-35	Sequence 35, Appl
33	64	74.4	215	6	5219739-22	Patent No. 5219739
34	63	73.3	19	3	US-08-742-243-53	Sequence 53, Appl
35	62	72.1	19	3	US-08-807-992B-34	Sequence 24, Appl
36	57	66.3	12	3	US-08-742-243-52	Sequence 52, Appl
37	53	61.6	12	3	US-08-742-243-51	Sequence 51, Appl
38	53	61.6	12	3	US-08-742-243-54	Sequence 54, Appl
39	46	53.5	599	4	US-09-080-983-9	Sequence 9, Appl
40	45	52.3	138	4	US-08-586-039B-37	Sequence 37, Appl
41	45	52.3	158	4	US-08-586-039B-39	Sequence 39, Appl
42	44	51.2	1321	2	US-08-317-310A-64	Sequence 64, Appl
43	43	50.0	12	3	US-08-742-243-50	Sequence 50, Appl
44	43	50.0	12	3	US-08-742-243-55	Sequence 55, Appl
45	41	47.7	149	1	US-08-469-427A-14	Sequence 14, Appl

#### ALIGNMENTS

RESULT 1  
US-08-691-794-3  
; Sequence 3, Application US/08691794  
; Patent No. 6057428  
; GENERAL INFORMATION:  
; APPLICANT: Keyt, Bruce A.  
; APPLICANT: Nguyen, Francis H.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Cunningham, Brian C.  
; APPLICANT: Wells, James A.  
; APPLICANT: Li, Bing  
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert  
; STREET: Four Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/691,794  
; FILING DATE: 02-AUG-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/002,827  
; FILING DATE: 25-AUG-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/567,200  
; FILING DATE: 05-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-63758/WHD  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 109 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: unknown

TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-691-794-3

Query Match 89.5%; Score 77; DB 3; Length 109;  
Best Local Similarity 100.0%; Pred. No. 7.6e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16  
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 2  
5194596-19  
Patent No. 5194596  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR  
NUMBER OF SEQUENCES: 32  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/450,883  
FILING DATE: 14-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO:19:  
LENGTH: 121  
5194596-19

Query Match 89.5%; Score 77; DB 6; Length 121;  
Best Local Similarity 100.0%; Pred. No. 8.6e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16  
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 3  
5219739-20  
Patent No. 5219739  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
JOHN C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND  
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN  
VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121  
NUMBER OF SEQUENCES: 40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/559,041  
FILING DATE: 27-JUL-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 450,883  
FILING DATE: 14-DEC-1989  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO:20:  
LENGTH: 121  
5219739-20

Query Match 89.5%; Score 77; DB 6; Length 121;  
Best Local Similarity 100.0%; Pred. No. 8.6e-08;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16  
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 4  
US-08-784-551C-2  
Sequence 2, Application US/08784551C  
Patent No. 6013780  
GENERAL INFORMATION:  
APPLICANT: Gera Neufeld  
APPLICANT: Eli Keshet  
APPLICANT: Israel Vlodavsky  
APPLICANT: Zoya Poltorak  
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF  
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP  
STREET: 900 17th Street, N.W.  
STREET: Suite 1000  
CITY: Washington, D.C.  
STATE: N/A  
COUNTRY: U.S.A.  
ZIP: 20006  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
MEDIUM TYPE: storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FastSeq for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/784,551C  
FILING DATE: January 21, 1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Cohen, Herbert  
REGISTRATION NUMBER: 25,109  
REFERENCE/DOCKET NUMBER: 0274,005/P003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 463-7700  
TELEFAX: (202) 463-6915  
TELEX:  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-784-551C-2

Query Match 89.5%; Score 77; DB 3; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.1e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16  
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 5  
US-08-807-992B-1  
Sequence 1, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
APPLICANT: Dvorak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: WordPerfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 147 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-1

Query Match 89.5%; Score 77; DB 3; Length 147;  
Best Local Similarity 100.0%; Pred. No. 1.1e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 EESNITMOIMRIKPH 16  
|||||  
DB 98 EESNITMOIMRIKPH 112

RESULT 6  
5194596-18  
PATENT NO. 5194596  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR  
NUMBER OF SEQUENCES: 32  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/450,883  
FILING DATE: 14-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 18  
LENGTH: 165  
5194596-18

Query Match 89.5%; Score 77; DB 6; Length 165;  
Best Local Similarity 100.0%; Pred. No. 1.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 EESNITMOIMRIKPH 16  
|||||  
DB 72 EESNITMOIMRIKPH 86

RESULT 7  
5219739-19  
PATENT NO. 5219739  
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
JOHN C.; MITCHELL, RICHARD L.  
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND  
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVEGF121  
NUMBER OF SEQUENCES: 40  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/559,041  
FILING DATE: 27-JUL-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 450,883  
FILING DATE: 14-DEC-1989  
APPLICATION NUMBER: 387,545  
FILING DATE: 27-JUL-1989  
SEQ ID NO: 19  
LENGTH: 165  
5219739-19

Query Match 89.5%; Score 77; DB 6; Length 165;  
Best Local Similarity 100.0%; Pred. No. 1.2e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 EESNITMOIMRIKPH 16  
|||||  
DB 72 EESNITMOIMRIKPH 86

RESULT 8  
US-08-567-200A-2  
Sequence 2, Application US/08567200A  
Patent No. 6020473  
GENERAL INFORMATION:  
APPLICANT: Keyt, Bruce A.  
APPLICANT: Nguyen, Francis H.  
APPLICANT: Ferrara, Napoleone  
TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/567,200A  
FILING DATE: 05-DEC-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Walter H.  
REGISTRATION NUMBER: 24,190  
REFERENCE/DOCKET NUMBER: A-62326-1/MHD  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-567-200A-2

Query Match 89.5%; Score 77; DB 3; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 EESNITMOIMRIKPH 16  
| | | | | | | | | | | | | | | | | |  
DB 98 EESNITMOIMRIKPH 112

RESULT 9  
US-08-807-992B-2  
; Sequence 2, Application US/08807992B  
; Patent No. 6022541  
; GENERAL INFORMATION:  
; APPLICANT: Senger, Donald R  
; APPLICANT: Dvorak, Harold F  
; TITLE OF INVENTION: Immunological preparation for concurrent  
; TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: David Prashker, Esq.  
; STREET: P.O. Box 5387  
; CITY: Magnolia  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 01930  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage  
; COMPUTER: IBM PS/1  
; OPERATING SYSTEM: MS DOS  
; SOFTWARE: Wordperfect version 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/807,992B  
; FILING DATE: March 3, 1997  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: David Prashker, Esq.  
; REGISTRATION NUMBER: 29,693  
; REFERENCE/DOCKET NUMBER: BIS-033  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (978) 525-3794  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 191 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-807-992B-2

Query Match 89.5%; Score 77; DB 3; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 2 EESNITMOIMRIKPH 16  
| | | | | | | | | | | | | | | | | |  
DB 98 EESNITMOIMRIKPH 112

RESULT 10  
US-08-691-794-2  
; Sequence 2, Application US/08691794  
; Patent No. 6057428  
; GENERAL INFORMATION:  
; APPLICANT: Keyt, Bruce A.  
; APPLICANT: Nguyen, Francis H.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Cunningham, Brian C.  
; APPLICANT: Wells, James A.  
; APPLICANT: Li, Bing  
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell  
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESSES:

ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert  
STREET: Four Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: United States  
ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/691,794  
; FILING DATE: 02-AUG-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/002,827  
; FILING DATE: 25-AUG-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/567,200  
; FILING DATE: 05-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dreger, Walter H.  
; REGISTRATION NUMBER: 24,190  
; REFERENCE/DOCKET NUMBER: A-63758/WHD  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 191 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-691-794-2

Query Match 89.5%; Score 77; DB 3; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 2 EESNITMOIMRIKPH 16  
| | | | | | | | | | | | | | | | | |  
DB 98 EESNITMOIMRIKPH 112

RESULT 11  
US-08-795-430-56  
; Sequence 56, Application US/08795430  
; Patent No. 6130071  
; GENERAL INFORMATION:  
; APPLICANT: Alitalo, Kari  
; APPLICANT: Joukov, Vladimir  
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)  
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
; STREET: 6300 Sears Tower, 233 South Wacker Drive  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: United States of America  
; ZIP: 60606-6402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/795,430  
; FILING DATE:  
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/FI96/00427  
FILING DATE: 01-AUG-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/671,573  
FILING DATE: 28-JUN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/601,132  
FILING DATE: 14-FEB-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585,895  
FILING DATE: 12-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/510,133  
FILING DATE: 01-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/340,011  
FILING DATE: 14-NOV-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/DOCKET NUMBER: 28967/33691  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 191 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-795-430-56

Query Match 89.5%; Score 77; DB 4; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 EESNTMOIMRIKPH 16  
|||||  
DB 98 EESNTMOIMRIKPH 112  
RESULT 12  
5332671-4  
PATENT NO. 5332671  
APPLICANT: FERRARA, NAPOLEONE;LEUNG, DAVID W.H.  
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
GROWTH FACTOR AND DNA ENCODING SAME  
NUMBER OF SEQUENCES: 15  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/389,722  
FILING DATE: 04-AUG-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 369,424  
FILING DATE: 21-JUN-1989  
APPLICATION NUMBER: 351,117  
FILING DATE: 12-MAY-1989  
SEQ ID NO: 4;  
LENGTH: 191  
5332671-4

Query Match 89.5%; Score 77; DB 6; Length 191;  
Best Local Similarity 100.0%; Pred. No. 1.5e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 EESNTMOIMRIKPH 16  
|||||  
DB 98 EESNTMOIMRIKPH 112

RESULT 13  
5240848-11  
PATENT NO. 5240848  
APPLICANT: KECK, PAMELA J.;CONNOLLY, DANIEL T.;FEDER, JOSEPH  
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR  
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS  
NUMBER OF SEQUENCES: 11  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/337,037  
FILING DATE: 10-JUL-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 274,061  
FILING DATE: 21-NOV-1988  
SEQ ID NO: 11;  
LENGTH: 214  
5240848-11

Query Match 89.5%; Score 77; DB 6; Length 214;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 EESNTMOIMRIKPH 16  
|||||  
DB 98 EESNTMOIMRIKPH 112

RESULT 14  
US-08-807-992B-3  
Sequence 3, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Sengert, Donald R  
APPLICANT: Dworak, Harold F  
TITLE OF INVENTION: Immunological preparation for concurrent  
specific binding to spatially exposed regions of vascular  
permeability factor bound in-vivo to a tumor associated blo  
TITLE OF INVENTION: vessel  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-3

Query Match 89.5%; Score 77; DB 3; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.7e-07;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 ESNTWQIMRIKPH 16  
|||||  
Db 98 ESNTWQIMRIKPH 112

## RESULT 15

US-08-586-039B-49

; Sequence 49, Application US/08586039B

; Patent No. 6140073

; GENERAL INFORMATION:

; APPLICANT: Bayne, Marvin L.

; APPLICANT: Thomas Jr., Kenneth A.

; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C

; TITLE OF INVENTION: SUBUNIT

; NUMBER OF SEQUENCES: 49

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck &amp; Co., Inc.

; STREET: 126 E. Lincoln Avenue

; CITY: Rahway

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Microsoft Word 6

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/586,039B

; FILING DATE: 16-JAN-1996

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/124,259

; FILING DATE: 20-SEP-1993

; APPLICATION NUMBER: 07/676,436

; FILING DATE: 28-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Hand, J. Mark

; REGISTRATION NUMBER: 36,545

; REFERENCE/DOCKET NUMBER: 18361DA

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 594-3905

; TELEFAX: (908) 594-4720

; INFORMATION FOR SEQ ID NO: 49:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 215 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-586-039B-49

Query Match

Best Local Similarity 89.5%; Score 77; DB 4; Length 215;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 ESNTWQIMRIKPH 16  
|||||  
Db 98 ESNTWQIMRIKPH 112

Search completed: September 13, 2001, 11:57:11  
Job time: 209 sec



GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:09 ; Search time 57.94 Seconds  
(without alignments)  
4.620 Million cell updates/sec

Title: US-09-266-543-3

Sequence: 1 CRKPEKCDKPRR 13

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA.\*

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2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCYUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/Backfilest1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	69	88.5	146	4	US-08-586-039B-33
2	53	67.9	121	6	Sequence 33, Appl Patent No. 5194596
3	53	67.9	121	6	Sequence 33, Appl Patent No. 5194596
4	53	67.9	121	6	Sequence 33, Appl Patent No. 5194596
5	51.5	66.0	147	3	US-08-807-992B-1
6	51.5	66.0	120	6	Sequence 1, Appl Patent No. 5194596
7	40	51.3	12	3	US-08-742-243-70
8	40	51.3	12	3	Sequence 70, Appl Patent No. 5219739
9	39	50.0	19	3	Sequence 5, Appl Patent No. 5219739
10	39	50.0	19	3	Sequence 13, Appl Patent No. 5219739
11	39	50.0	19	3	Sequence 16, Appl Patent No. 5219739
12	39	50.0	19	3	Sequence 30, Appl Patent No. 5194596
13	39	50.0	164	6	Sequence 30, Appl Patent No. 5194596
14	39	50.0	164	6	Sequence 30, Appl Patent No. 5194596
15	39	50.0	164	6	Sequence 30, Appl Patent No. 5194596
16	39	50.0	164	6	Sequence 30, Appl Patent No. 5194596
17	39	50.0	165	6	Sequence 30, Appl Patent No. 5194596
18	39	50.0	189	1	US-08-469-427A-15
19	39	50.0	190	2	US-08-569-063C-20
20	39	50.0	190	4	US-08-586-039B-31
21	39	50.0	190	6	Sequence 31, Appl Patent No. 532671
22	39	50.0	191	3	US-08-567-200A-2
23	39	50.0	191	3	Sequence 2, Appl Patent No. 532671
24	39	50.0	191	3	Sequence 2, Appl Patent No. 532671
25	39	50.0	191	3	Sequence 2, Appl Patent No. 532671
26	39	50.0	191	3	Sequence 2, Appl Patent No. 532671
27	39	50.0	214	4	US-08-586-039B-35

28	39	50.0	214	6	5240848-11	Patent No. 5240848
29	39	50.0	215	3	US-08-807-992B-3	Sequence 3, Appl Patent No. 5219739
30	39	50.0	215	4	US-08-586-039B-49	Sequence 49, Appl Patent No. 5219739
31	39	50.0	215	6	5219739-22	Patent No. 5240848
32	39	50.0	215	5	5240848-7	Sequence 7, Appl Patent No. 5240848
33	39	50.0	231	5	PCT-US96-09001-10	Sequence 10, Appl Patent No. 5240848
34	39	50.0	232	2	US-08-999-811-7	Sequence 7, Appl Patent No. 5240848
35	39	50.0	232	2	US-08-824-996-9	Sequence 9, Appl Patent No. 5240848
36	39	50.0	232	2	US-08-807-992B-4	Sequence 4, Appl Patent No. 5240848
37	39	50.0	232	3	US-09-042-105-7	Sequence 7, Appl Patent No. 5240848
38	39	50.0	559	1	US-08-320-559-31	Sequence 31, Appl Patent No. 5240848
39	39	50.0	559	3	US-08-545-860D-31	Sequence 31, Appl Patent No. 5240848
40	39	50.0	559	5	PCT-US94-04496-31	Sequence 31, Appl Patent No. 5240848
41	39	50.0	2813	3	US-08-896-449A-2	Sequence 2, Appl Patent No. 5240848
42	39	50.0	2813	3	US-09-132-652-2	Sequence 2, Appl Patent No. 5240848
43	37	47.4	22	1	US-08-807-992B-10	Sequence 10, Appl Patent No. 5240848
44	37	47.4	22	1	US-07-664-989B-33	Sequence 33, Appl Patent No. 5240848
45	37	47.4	145	3	US-08-784-551C-2	Sequence 2, Appl Patent No. 5240848

## ALIGNMENTS

RESULT 1  
US-08-586-039B-33  
; Sequence 33, Application US/08586039B  
; Patent No. 6140073  
; GENERAL INFORMATION:  
; APPLICANT: Bayne, Marvin L.  
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07065-0900  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Microsoft Word 6  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/586,039B  
; FILING DATE: 16-JAN-1996  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/124,259  
; FILING DATE: 20-SEP-1993  
; APPLICATION NUMBER: 07/676,436  
; FILING DATE: 28-MAR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hand, J. Mark  
; REGISTRATION NUMBER: 36,545  
; REFERENCE/DOCKET NUMBER: 18361DA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (908) 594-3905  
; TELEFAX: (908) 594-4720  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 146 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-586-039B-33

Query Match 88.5%; Score 69; DB 4; Length 146;  
Best Local Similarity 100.0%; Pred. No. 0.0015;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 RTPEKCDKPRR 13  
 Db 135 RTPEKCDKPRR 146

RESULT 2  
 5194596-19  
 Patent No. 5194596  
 APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN  
 C.; MITCHELL, RICHARD L.  
 TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
 GROWTH FACTOR  
 NUMBER OF SEQUENCES: 32  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/450,883  
 FILING DATE: 14-DEC-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 387,545  
 FILING DATE: 27-JUL-1989  
 SEQ ID NO: 19:  
 LENGTH: 121  
 5194596-19

Query Match 67.9%; Score 53; DB 6; Length 121;  
 Best Local Similarity 75.0%; Pred. No. 0.29;  
 Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 2 RTPEKCDKPRR 13  
 Db 110 RAROEKCDKPRR 121

RESULT 3  
 5219739-20  
 Patent No. 5219739  
 APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.  
 TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121  
 NUMBER OF SEQUENCES: 40  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/559,041  
 FILING DATE: 27-JUL-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 450,883  
 FILING DATE: 14-DEC-1989  
 APPLICATION NUMBER: 387,545  
 FILING DATE: 27-JUL-1989  
 SEQ ID NO: 20:  
 LENGTH: 121  
 5219739-20

Query Match 67.9%; Score 53; DB 6; Length 121;  
 Best Local Similarity 75.0%; Pred. No. 0.29;  
 Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 2 RTPEKCDKPRR 13  
 Db 110 RAROEKCDKPRR 121

RESULT 4  
 US-08-807-992B-1  
 Sequence 1, Application US/08807992B  
 Patent No. 6022541  
 GENERAL INFORMATION:  
 APPLICANT: Senger, Donald R  
 APPLICANT: Dvorak, Harold F

TITLE OF INVENTION: Immunological preparation for concurrent  
 TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular  
 TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated bio  
 TITLE OF INVENTION: vessel  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: David Prashker, Esq.  
 STREET: P.O. Box 5387  
 CITY: Magnolia  
 STATE: Massachusetts  
 COUNTRY: USA  
 ZIP: 01930  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
 OPERATING SYSTEM: MS DOS  
 SOFTWARE: WordPerfect version 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/807,992B  
 FILING DATE: March 3, 1997  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: David Prashker, Esq.  
 REGISTRATION NUMBER: 29,693  
 REFERENCE/DOCKET NUMBER: BIS-033  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (978) 525-3794  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 147 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-807-992B-1

Query Match 67.9%; Score 53; DB 3; Length 147;  
 Best Local Similarity 75.0%; Pred. No. 0.35;  
 Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 2 RTPEKCDKPRR 13  
 Db 136 RAROEKCDKPRR 147

RESULT 5  
 5194596-9  
 Patent No. 5194596  
 APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.  
 TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL  
 GROWTH FACTOR  
 NUMBER OF SEQUENCES: 32  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/450,883  
 FILING DATE: 14-DEC-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 387,545  
 FILING DATE: 27-JUL-1989  
 SEQ ID NO: 9:  
 LENGTH: 120  
 5194596-9

Query Match 66.0%; Score 51.5; DB 6; Length 120;  
 Best Local Similarity 61.1%; Pred. No. 0.47;  
 Matches 11; Conservative 0; Mismatches 2; Indels 5; Gaps 1;

OY 1 CRTK-----PEKCDKPRR 13  
 Db 103 CRPKDKAROEKCDKPRR 120

RESULT 6  
5219739-9  
; Patent No. 5219739  
; APPLICANT: FISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,  
; JOHN C.; MITCHELL, RICHARD L.  
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND  
; HVSGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN  
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVSGF121  
; NUMBER OF SEQUENCES: 40  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/559,041  
; FILING DATE: 27-JUL-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 450,883  
; FILING DATE: 14-DEC-1989  
; APPLICATION NUMBER: 387,545  
; FILING DATE: 27-JUL-1989  
; SEQ ID NO: 9:  
; LENGTH: 120  
5219739-9

Query Match 66.0%; Score 51.5; DB 6; Length 120;  
Best Local Similarity 61.1%; Pred. No. 0.47;  
Matches 11; Conservative 0; Mismatches 2; Indels 5; Gaps 1;

OY 1 CRTK-----PECKDKPRR 13  
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Db 103 CRPKDKAROECKDKPRR 120

RESULT 7  
US-08-742-243-70  
; Sequence 70, Application US/08742243A  
; Patent No. 6024955  
; GENERAL INFORMATION:  
; APPLICANT: Asano, Makoto  
; APPLICANT: Yukita, Ayako  
; APPLICANT: Hanatani, Mitsuya  
; APPLICANT: Matsumoto, Tomoe  
; APPLICANT: Okamoto, Masaji  
; APPLICANT: Suzuki, Hideo  
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies  
; FILE REFERENCE: 07898/005001  
; CURRENT APPLICATION NUMBER: US/08/742,243A  
; CURRENT FILING DATE: 1996-10-31  
; EARLIER APPLICATION NUMBER: 308184/1995  
; EARLIER FILING DATE: 1995-11-01  
; NUMBER OF SEQ ID NOS: 70  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 70  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: synthesized  
US-08-742-243-70

Query Match 51.3%; Score 40; DB 3; Length 12;  
Best Local Similarity 75.0%; Pred. No. 2.7;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 6 EKCDKPRR 13  
:|||||  
Db 5 QECKDKPRR 12

RESULT 8  
US-08-391-615-5  
; Sequence 5, Application US/08391615  
; Patent No. 5550054

; GENERAL INFORMATION:  
; APPLICANT: Witte, Owen  
; APPLICANT: Tsukada, Satoshi  
; APPLICANT: Saitan, Douglas  
; APPLICANT: Rawlings, David  
; TITLE OF INVENTION: HEMATOPOIETIC RESTRICTED TYROSINE KINASE  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT  
; STREET: 4 Embarcadero Center, Suite 3400  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-4187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/391,615  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/006,449  
; FILING DATE: 21-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rowland, Bertram I  
; REGISTRATION NUMBER: 20,015  
; REFERENCE/DOCKET NUMBER: A-57583-1/BIR UCIA 232-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 781-1989  
; TELEFAX: (415) 398-3249  
; TELEX: 910 277299 FHT UR  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 588 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-391-615-5

Query Match 51.3%; Score 40; DB 1; Length 588;  
Best Local Similarity 54.5%; Pred. No. 1e+02;  
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

OY 1 CRTKPECKDKP 11  
||| |||  
Db 301 CRKSSPCDKP 311

RESULT 9  
US-08-807-992B-7  
; Sequence 7, Application US/08807992B  
; Patent No. 6022541  
; GENERAL INFORMATION:  
; APPLICANT: Senger, Donald R  
; APPLICANT: Dvorak, Harold F  
; TITLE OF INVENTION: Immunological preparation for concurrent  
; TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular  
; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David Prashker, Esq.  
; STREET: P. O. Box 5387  
; CITY: Magnolia  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 01930

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 19 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-7

Query Match 50.0%; Score 39; DB 3; Length 19;  
Best Local Similarity 85.7%; Pred. No. 5.8;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13  
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DB 13 RCDKPRR 19

RESULT 10  
US-08-807-992B-13  
Sequence 13, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood  
TITLE OF INVENTION: vessel  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 19 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

US-08-807-992B-13

Query Match 50.0%; Score 39; DB 3; Length 19;  
Best Local Similarity 85.7%; Pred. No. 5.8;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13  
:|||||  
DB 13 RCDKPRR 19

RESULT 11  
US-08-807-992B-16  
Sequence 16, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular  
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo  
TITLE OF INVENTION: vessel  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David Prashker, Esq.  
STREET: P.O. Box 5387  
CITY: Magnolia  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 01930  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
COMPUTER: IBM PS/1  
OPERATING SYSTEM: MS DOS  
SOFTWARE: Wordperfect version 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/807,992B  
FILING DATE: March 3, 1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: David Prashker, Esq.  
REGISTRATION NUMBER: 29,693  
REFERENCE/DOCKET NUMBER: BIS-033  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (978) 525-3794  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 19 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-807-992B-16

Query Match 50.0%; Score 39; DB 3; Length 19;  
Best Local Similarity 85.7%; Pred. No. 5.8;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13  
:|||||  
DB 13 RCDKPRR 19

RESULT 12  
US-08-807-992B-30  
Sequence 30, Application US/08807992B  
Patent No. 6022541  
GENERAL INFORMATION:  
APPLICANT: Senger, Donald R  
TITLE OF INVENTION: Immunological preparation for concurrent  
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular

```

; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
; TITLE OF INVENTION: vessel
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David Prashker, Esq.
; STREET: P.O. Box 5387
; CITY: Magnolia
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01930
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
; COMPUTER: IBM PS/1
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Wordperfect version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/807,992B
; FILING DATE: March 3, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: David Prashker, Esq.
; REGISTRATION NUMBER: 29,693
; REFERENCE/DOCKET NUMBER: BIS-033
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (978) 525-3794
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: Internal
US-08-807-992B-30

Query Match          50.0%; Score 39; DB 3; Length 19;
Best Local Similarity 85.7%; Pred. No. 5.8;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
   :|||||
Db 13 RCDKPRR 19

RESULT 13
5194596-17
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 17:
; LENGTH: 164
5194596-17

Query Match          50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
   :|||||
Db 158 RCDKPRR 164
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RESULT 14
5219739-17
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
; HVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVGEF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 17:
; LENGTH: 164
5219739-17
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Query Match          50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
   :|||||
Db 158 RCDKPRR 164
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RESULT 15
5219739-18
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
; HVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVGEF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 18:
; LENGTH: 164
5219739-18
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Query Match          50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
   :|||||
Db 158 RCDKPRR 164
```

Search completed: September 13, 2001, 11:57:10  
Job time: 208 sec



GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:53:42 ; Search time 57.94 Seconds  
(without alignments)  
15.992 Million cell updates/sec

Title: US-09-266-543-1

Perfect score: 239  
Sequence: 1 YCKNGGFRLRHPDGRVGV.....PHIKLOLAERGVSIKGV 45

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PCtus.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/Backfilltest.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	239	100.0	132	1	US-08-100-744-4
2	239	100.0	132	1	US-08-284-784-4
3	239	100.0	132	2	US-08-834-811-4
4	239	100.0	140	5	PCT-US90-06962-1
5	239	100.0	145	1	US-07-830-330-1
6	239	100.0	145	1	US-08-187-780-3
7	239	100.0	145	2	US-08-478-485-3
8	239	100.0	146	2	US-08-231-894A-11
9	239	100.0	146	2	US-08-231-894A-12
10	239	100.0	146	2	US-08-231-894A-13
11	239	100.0	146	2	US-08-231-894A-14
12	239	100.0	146	2	US-08-231-894A-15
13	239	100.0	146	3	US-09-105-678A-49
14	239	100.0	146	6	5464943-6
15	239	100.0	146	6	5464943-8
16	239	100.0	146	6	5464943-10
17	239	100.0	146	6	5464943-12
18	239	100.0	146	6	5464943-14
19	239	100.0	146	6	5464943-25
20	239	100.0	146	6	5464943-26
21	239	100.0	147	6	5175147-8
22	239	100.0	147	6	5314872-1
23	239	100.0	150	1	US-08-441-629-8
24	239	100.0	150	3	US-08-776-207-8
25	239	100.0	150	5	PCT-US95-09172-8
26	239	100.0	153	3	US-08-325-186-2
27	239	100.0	154	2	US-08-438-439C-24

28	239	100.0	154	3	US-08-325-186-1	Sequence 1, Appl
29	239	100.0	154	5	PCT-US91-02186-6	Sequence 6, Appl
30	239	100.0	155	1	US-07-959-369-6	Sequence 6, Appl
31	239	100.0	155	1	US-07-959-369-7	Sequence 7, Appl
32	239	100.0	155	1	US-08-023-757-2	Sequence 2, Appl
33	239	100.0	155	1	US-08-023-757-4	Sequence 4, Appl
34	239	100.0	155	1	US-07-842-177A-1	Sequence 1, Appl
35	239	100.0	155	1	US-08-177-502-2	Sequence 2, Appl
36	239	100.0	155	1	US-08-177-502-4	Sequence 4, Appl
37	239	100.0	155	1	US-08-439-725A-10	Sequence 10, Appl
38	239	100.0	155	1	US-08-325-632-1	Sequence 10, Appl
39	239	100.0	155	1	US-08-462-169B-10	Sequence 10, Appl
40	239	100.0	155	2	US-08-867-471-10	Sequence 10, Appl
41	239	100.0	155	2	US-08-438-439C-14	Sequence 14, Appl
42	239	100.0	155	2	US-08-951-822-28	Sequence 28, Appl
43	239	100.0	155	3	US-09-103-079-10	Sequence 10, Appl
44	239	100.0	155	3	US-08-705-245-6	Sequence 6, Appl
45	239	100.0	155	3	US-08-718-904-11	Sequence 11, Appl

#### ALIGNMENTS

RESULT 1  
US-08-100-744-4  
Sequence 4, Application US/08100744  
Patent No. 5563046  
GENERAL INFORMATION:  
APPLICANT: MASCARENHAS, DESMOND  
APPLICANT: ZHANG, SUNNY  
APPLICANT: OLSEN, PAMELA  
APPLICANT: OLSEN, DAVID  
APPLICANT: CARRILLO, PEDRO A.  
TITLE OF INVENTION: POLYPEPTIDE FUSIONS TO  
INTERLEUKIN-1-LIKE POLYPEPTIDES  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 Page Mill Road  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/100,744  
FILING DATE: 02-AUG-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: LUTHER, BARBARA J.  
REGISTRATION NUMBER: 33,954  
REFERENCE/DOCKET NUMBER: 22095-20275.00  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 813-5600  
TELEFAX: (415) 494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 132 amino acids  
TYPE: amino acid  
STRANDNESS: single  
TOPOLOGY: linear  
US-08-100-744-4

Query Match 100.0%; Score 239; DB 1; Length 132;  
Best Local Similarity 100.0%; Pred. No. 9.6e-28;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 45  
DB 10 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 54

RESULT 2  
US-08-284-784-4

Sequence 4, Application US/08284784  
Patent No. 5629172  
GENERAL INFORMATION:  
APPLICANT: MASCARENHAS, DESMOND  
APPLICANT: ZHANG, YANG  
APPLICANT: OLSON, PAMELA S.  
APPLICANT: OLSEN, DAVID R.  
APPLICANT: CARRILLO, PEDRO A.  
TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES  
TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER SEQUENCES  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 Page Mill Road  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/284,784  
FILING DATE: 02-AUG-1994  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: PARK, FREDIE K.  
REGISTRATION NUMBER: 35,636  
REFERENCE/DOCKET NUMBER: 22095-20275.20  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 813-5600  
TELEFAX: (415) 494-0792  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 132 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-284-784-4

Query Match 100.0%; Score 239; DB 1: Length 132;  
Best Local Similarity 100.0%; Pred. No. 9.6e-28;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 45  
DB 10 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 54

RESULT 3  
US-08-854-811-4

Sequence 4, Application US/08854811  
Patent No. 5914254  
GENERAL INFORMATION:  
APPLICANT: Mascarenhas, Desmond  
APPLICANT: Zhang, Yang  
APPLICANT: Olson, Pamela S.  
APPLICANT: Olsen, David R.  
APPLICANT: Cohen, Pedro A.  
TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES  
TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER  
SEQUENCES

NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 PAGE MILL ROAD  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows  
SOFTWARE: FastSeq for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/854,811  
FILING DATE: 12-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/284,784  
FILING DATE: 02-AUG-1994  
APPLICATION NUMBER: 08/100,744  
FILING DATE: 02-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Buflinger, Nicholas S  
REGISTRATION NUMBER: 39,124  
REFERENCE/DOCKET NUMBER: 22095-20275.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 132 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-854-811-4

Query Match 100.0%; Score 239; DB 2: Length 132;  
Best Local Similarity 100.0%; Pred. No. 9.6e-28;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 45  
DB 10 YCKNGFFLRHPDGRVGVREKSPHIKLOLAERGVVSIGV 54

RESULT 4  
PCT-US90-06962-1

Sequence 1, Application PC/TUS9006962  
GENERAL INFORMATION:  
APPLICANT: Baird, J. A.  
APPLICANT: Hajjar, David P.  
TITLE OF INVENTION: Treatment of HSV  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fitch, Even, Tabin & Flannery  
STREET: 135 South LaSalle Street, Suite 900  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60603  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US90/06962  
FILING DATE: 19901129  
CLASSIFICATION: Au 186/C1 424  
PRIOR APPLICATION DATA:



APPLICATION NUMBER: US 07/443,939  
FILING DATE: 30-NOV-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Schumann, James J.  
REGISTRATION NUMBER: 20856  
REFERENCE/DOCKET NUMBER: 50742  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619)552-1311  
TELEFAX: (619)552-0095  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 157 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US90-06962-1

Query Match 100.0%; Score 239; DB 5; Length 140;  
Best Local Similarity 100.0%; Pred. No. 1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YCKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 45  
DB 35 YCKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 79

RESULT 5  
US-07-830-330-1  
Sequence 1, Application US/07830330  
Patent No. 5288704  
GENERAL INFORMATION:  
APPLICANT: Ungheri, Domenico  
APPLICANT: Garofano, Luisa  
APPLICANT: Battistini, Carlo  
APPLICANT: Carminati, Paolo  
APPLICANT: Mazue, Guy  
TITLE OF INVENTION: SYNERGISTIC COMPOSITION COMPRISING A  
TITLE OF INVENTION: FIBROBLAST GROWTH FACTOR AND A SULFATED POLYSACCHARIDE,  
TITLE OF INVENTION: FOR USE AS ANTI-VIRAL AGENT  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,  
ADDRESSSEE: P. C.  
STREET: 1755 Jefferson Davis Highway, Fourth Floor  
CITY: Arlington  
STATE: Virginia  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/830,330  
FILING DATE: 19920420  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5288704man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 769-230-0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)521-4500  
TELEFAX: (703)486-2347  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens

US-07-830-330-1

Query Match 100.0%; Score 239; DB 1; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YCKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 45  
DB 24 YCKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 68

RESULT 6  
US-08-187-780-3  
Sequence 3, Application US/08187780  
Patent No. 5459250  
GENERAL INFORMATION:  
APPLICANT: CLAUDIO BASILICO  
APPLICANT: DANIELA TALARICO  
TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSSEE: Darby & Darby P.C.  
STREET: 805 Third Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch,  
MEDIUM TYPE: 360 Kb storage  
COMPUTER: IBM or IBM-compatible  
OPERATING SYSTEM: PC/MS-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/187,780  
FILING DATE: January 25, 1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/901,705  
FILING DATE: June 22, 1992  
APPLICATION NUMBER: 07/806,771  
FILING DATE: December 6, 1991  
APPLICATION NUMBER: 07/177,506  
FILING DATE: April 4, 1988  
APPLICATION NUMBER: 07/062,925  
FILING DATE: June 16, 1987  
ATTORNEY/AGENT INFORMATION:  
NAME: Howard M. Frankfort  
REGISTRATION NUMBER: 32,613  
REFERENCE/DOCKET NUMBER: 5986/13586-US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 527-7700  
TELEFAX: (212) 753-6237  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
DESCRIPTION: Protein  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: This sequence,  
OTHER INFORMATION: corresponding to bovine basic fibroblast  
OTHER INFORMATION: growth factor, can be found in Table 1,  
OTHER INFORMATION: page 9, lines 9, 14, and 19, in the  
OTHER INFORMATION: application, as filed.  
PUBLICATION INFORMATION:  
AUTHORS:

;; TITLE:;;  
;; JOURNAL:;;  
;; VOLUME:;;  
;; ISSUE:;;  
;; PAGES:;;  
;; DATE:;;  
;; DOCUMENT NUMBER:;;  
;; FILING DATE:;;  
;; PUBLICATION DATE:;;  
;; RELEVANT RESIDUES IN SEQ ID NO: 1-145  
US-08-187-780-3

Query Match 100.0%; Score 239; DB 1; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YCKNGGFLRIHPDGRVGVREKSDPHIKLQLOAERGVSITKV 45  
Db 24 YCKNGGFLRIHPDGRVGVREKSDPHIKLQLOAERGVSITKV 68

RESULT 7  
US-08-478-485-3  
; Sequence 3, Application US/08478485  
; Patent No. 5883071  
; GENERAL INFORMATION:  
; APPLICANT: CLAUDIO BASILICO  
; APPLICANT: DANIELA TALARICO  
; TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Darby & Darby P.C.  
; STREET: 805 Third Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10022  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Diskette, 3+ inch,  
; MEDIUM TYPE: 1.44 MB storage  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC/MS-DOS  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/478, 485  
; FILING DATE: Concurrently Herewith  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/187, 780  
; FILING DATE: January 25, 1994  
; APPLICATION NUMBER: 07/901, 705  
; FILING DATE: June 22, 1992  
; APPLICATION NUMBER: 07/806, 771  
; FILING DATE: December 6, 1991  
; APPLICATION NUMBER: 07/177, 506  
; FILING DATE: April 4, 1988  
; APPLICATION NUMBER: 07/062, 925  
; FILING DATE: June 16, 1987  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Joseph R. Robinson  
; REGISTRATION NUMBER: 33, 448  
; REFERENCE/DOCKET NUMBER: 5986/13586-US6  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 527-7700  
; TELEFAX: (212) 753-6237  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE:

;; DESCRIPTION: Protein  
;; FEATURE:  
;; NAME/KEY:  
;; LOCATION:  
;; IDENTIFICATION METHOD:  
;; OTHER INFORMATION: This sequence,  
;; OTHER INFORMATION: corresponding to bovine basic fibroblast  
;; OTHER INFORMATION: growth factor, can be found in Table 1,  
;; OTHER INFORMATION: page 9, lines 9, 14, and 19, in the  
;; OTHER INFORMATION: application, as filed.  
;; PUBLICATION INFORMATION:  
;; AUTHORS:  
;; TITLE:  
;; JOURNAL:  
;; VOLUME:  
;; ISSUE:  
;; PAGES:  
;; DATE:  
;; DOCUMENT NUMBER:  
;; FILING DATE:  
;; PUBLICATION DATE:  
;; RELEVANT RESIDUES IN SEQ ID NO: 1-145  
US-08-478-485-3

Query Match 100.0%; Score 239; DB 2; Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YCKNGGFLRIHPDGRVGVREKSDPHIKLQLOAERGVSITKV 45  
Db 24 YCKNGGFLRIHPDGRVGVREKSDPHIKLQLOAERGVSITKV 68

RESULT 8  
US-08-231-894A-11  
; Sequence 11, Application US/08231894A  
; Patent No. 5851990  
; GENERAL INFORMATION:  
; APPLICANT: FUKUDA, AKIRA  
; APPLICANT: FUKUDA, TSUNEHIKO  
; TITLE OF INVENTION: BFGF MOTELIN AND ITS PRODUCTION  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS  
; ADDRESSEE: & CUSHMAN  
; STREET: 130 WATER STREET  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: US  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/231, 894A  
; FILING DATE: 22-APR-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/873907  
; FILING DATE: 24-APR-1992  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 097655-1991  
; FILING DATE: 26-APR-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 066381-1992  
; FILING DATE: 24-MAR-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: RESNICK, DAVID S.  
; REGISTRATION NUMBER: 34235

REFERENCE/DOCKET NUMBER: 41769-FWC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 523-3400  
TELEFAX: (617) 523-6440  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-231-894A-11

Query Match 100.0%; Score 239; DB 2; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGCFRLRHPDGRVGVREKSPHKLQLAERGVSTIKGV 45  
Db 24 YCKNGCFRLRHPDGRVGVREKSPHKLQLAERGVSTIKGV 68

RESULT 9  
US-08-231-894A-12  
Sequence 12, Application US/08231894A  
Patent No. 5851990  
GENERAL INFORMATION:  
APPLICANT: FUJISHIMA, AKIRA  
APPLICANT: FUKUDA, TSUNEHIKO  
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS  
STREET: 130 WATER STREET  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/231, 894A  
FILING DATE: 22-APR-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/873907  
FILING DATE: 24-APR-1992  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 097655-1991  
FILING DATE: 26-APR-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 066381-1992  
FILING DATE: 24-MAR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: RESNICK, DAVID S.  
REGISTRATION NUMBER: 34235  
REFERENCE/DOCKET NUMBER: 41769-FWC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 523-3400  
TELEFAX: (617) 523-6440  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
US-08-231-894A-12

Query Match 100.0%; Score 239; DB 2; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGCFRLRHPDGRVGVREKSPHKLQLAERGVSTIKGV 45  
Db 24 YCKNGCFRLRHPDGRVGVREKSPHKLQLAERGVSTIKGV 68

RESULT 10  
US-08-231-894A-13  
Sequence 13, Application US/08231894A  
Patent No. 3851990  
GENERAL INFORMATION:  
APPLICANT: FUJISHIMA, AKIRA  
APPLICANT: FUKUDA, TSUNEHIKO  
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS  
STREET: 130 WATER STREET  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/231, 894A  
FILING DATE: 22-APR-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/873907  
FILING DATE: 24-APR-1992  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 097655-1991  
FILING DATE: 26-APR-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 066381-1992  
FILING DATE: 24-MAR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: RESNICK, DAVID S.  
REGISTRATION NUMBER: 34235  
REFERENCE/DOCKET NUMBER: 41769-FWC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 523-3400  
TELEFAX: (617) 523-6440  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal

ORIGINAL SOURCE:  
US-08-231-894A-13

Query Match 100.0%; Score 239; DB 2; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 45  
Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 68

RESULT 11  
US-08-231-894A-14  
Sequence 14, Application US/08231894A

Patent No. 5851990

GENERAL INFORMATION:

APPLICANT: FUJISHIMA, AKIRA

APPLICANT: FUKUDA, TSUNEHIKO

TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS

ADDRESS: 6 CUSHMAN

STREET: 130 WATER STREET

CITY: BOSTON

STATE: MASSACHUSETTS

COUNTRY: US

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/231,894A

FILING DATE: 22-APR-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/873907

FILING DATE: 24-APR-1992

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 097655-1991

FILING DATE: 26-APR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 066381-1992

FILING DATE: 24-MAR-1992

ATTORNEY/AGENT INFORMATION:

NAME: RESNICK, DAVID S.

REGISTRATION NUMBER: 34235

REFERENCE/DOCKET NUMBER: 41769-FWC

TELEPHONE: (617) 523-3400

TELEFAX: (617) 523-6440

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 146 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE: internal

ORIGINAL SOURCE:

US-08-231-894A-14

Query Match 100.0%; Score 239; DB 2; Length 146;

Best Local Similarity 100.0%; Pred. No. 1.1e-27;

Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 45  
Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 68

RESULT 12  
US-08-231-894A-15  
Sequence 15, Application US/08231894A

Patent No. 5851990

GENERAL INFORMATION:

APPLICANT: FUJISHIMA, AKIRA

APPLICANT: FUKUDA, TSUNEHIKO

TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS

ADDRESS: 6 CUSHMAN

STREET: 130 WATER STREET

CITY: BOSTON

STATE: MASSACHUSETTS

COUNTRY: US

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/231,894A

FILING DATE: 22-APR-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 097655-1991

FILING DATE: 26-APR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 066381-1992

FILING DATE: 24-MAR-1992

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 097655-1991

FILING DATE: 26-APR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 066381-1992

FILING DATE: 24-MAR-1992

ATTORNEY/AGENT INFORMATION:

NAME: RESNICK, DAVID S.

REGISTRATION NUMBER: 34235

REFERENCE/DOCKET NUMBER: 41769-FWC

TELEPHONE: (617) 523-3400

TELEFAX: (617) 523-6440

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 146 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE: internal

ORIGINAL SOURCE:

US-08-231-894A-15

Query Match 100.0%; Score 239; DB 2; Length 146;

Best Local Similarity 100.0%; Pred. No. 1.1e-27;

Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 45

Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLAERGVVSIGKV 68

RESULT 13

US-09-105-678A-49  
; Sequence 49, Application US/09105678A  
; Patent No. 6103882  
; GENERAL INFORMATION:  
; APPLICANT: Suenaga, Masato  
; APPLICANT: Moriya, Takeo  
; APPLICANT: Tanaka, Yoko  
; APPLICANT: Nishimura, Osamu  
; TITLE OF INVENTION: METHOD OF PRODUCING A 19P2 LIGAND  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
; STREET: 130 Water Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/105,678A  
; FILING DATE: 26-JUN-1998  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: JP 172118/1997  
; FILING DATE: 27-JUN-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Conlin, David G.  
; REGISTRATION NUMBER: 27,026  
; REFERENCE/DOCKET NUMBER: 48466-342  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-523-3400  
; TELEFAX: 617-523-6440  
; INFORMATION FOR SEQ ID NO: 49:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 146 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-09-105-678A-49

Query Match 100.0%; Score 239; DB 3; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 45  
|||||  
Db 24 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 68

RESULT 14  
5464943-6  
; Patent No. 5464943  
; APPLICANT: SENOO, MASAHARU; SASADA, REIKO; IGARASHI, KOICHI  
; TITLE OF INVENTION: DNA ENCODING GLYCOSYLATED FGF AND  
; PRODUCTION THEREOF  
; NUMBER OF SEQUENCES: 42  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/275,635  
; FILING DATE: 15-JUL-1994  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: 7,089  
; FILING DATE: 19-JAN-1993  
; APPLICATION NUMBER: 511,469  
; FILING DATE: 20-APR-1990  
; SEQ ID NO: 6;  
; LENGTH: 146  
5464943-6

Query Match 100.0%; Score 239; DB 6; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 45  
|||||  
Db 24 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 68

RESULT 15  
5464943-8  
; Patent No. 5464943  
; APPLICANT: SENOO, MASAHARU; SASADA, REIKO; IGARASHI, KOICHI  
; TITLE OF INVENTION: DNA ENCODING GLYCOSYLATED FGF AND  
; PRODUCTION THEREOF  
; NUMBER OF SEQUENCES: 42  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/275,635  
; FILING DATE: 15-JUL-1994  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: 7,089  
; FILING DATE: 19-JAN-1993  
; APPLICATION NUMBER: 511,469  
; FILING DATE: 20-APR-1990  
; SEQ ID NO: 8;  
; LENGTH: 146  
5464943-8

Query Match 100.0%; Score 239; DB 6; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.1e-27;  
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 45  
|||||  
Db 24 YCKNGFFLRHPDGRVDSVREKSPHKLQQAEERGVVS1KV 68

Search completed: September 13, 2001, 11:57:09  
Job time: 207 sec

